

Converting Colors

XYZ(78.6673, 91.8282, 95.7612)

Have a look what the booklet for
XYZ(78.6673, 91.8282, 95.7612)
contains.

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Color

**XYZ(78.6396, 91.8083,
96.0141)**

Conversions

Conversions Part 1

Format	Color
Hex	D4FFF0
RGB	212, 255, 240
RGB Percent	83%, 100%, 94%
CMY	0.1686, 0.0000, 0.0588
CMYK	0.17, 0.00, 0.06, 0.00
HSL	159°, 100%, 92%
HSV	159°, 17%, 100%
XYZ	78.6396, 91.8083, 96.0141
YIQ	240.4330, -20.8130, -13.7810

Conversions

Conversions Part 2

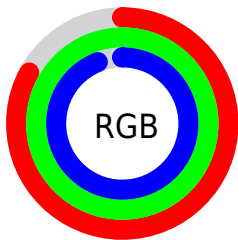
Format	Color
R_{YB}	212, 238, 255
Decimal	13959152
CIE Lab	96.74, -16.56, 2.59
CIE LCh	97, 16.764, 171.097
Yxy	91.8083, 0.2951, 0.3445
Android (android.graphics.Color)	4292149232 (0xFFD4FFF0)
YUV	240.4330, -0.2135, -24.9357
Hunter-Lab	95.8166, -21.1788, 7.6595

Details

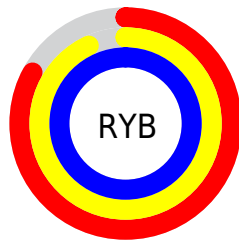
The XYZ color **78.6396, 91.8083, 96.0141** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.6493, 73.8942, 82.7912**, and the grayscale version is **83.1767, 87.5084, 95.2966**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7504, 51.0170, 52.9415** is the 20% darker color. If you saturate the color by 10%, you get **70.5709, 87.7977, 88.9078**, and if you desaturate by 10%, it is **87.9358, 96.4442, 103.5189**.

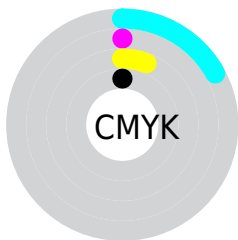
Distribution



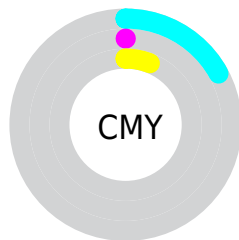
- Red (83%)
- Green (100%)
- Blue (94%)



- Red (83%)
- Yellow (93%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.6396, 91.8083, 96.0141 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 78.6396, 91.8083, 96.0141 by changing the saturation by 10% instead.


 78.6396, 91.8083,
96.0141

 78.6396, 91.8083,
96.0141


479.1429,
533.8958, 568.4735

 58.9041, 69.4814,
72.3778


130.4120,
149.8477, 157.6725

 42.7820, 51.1039,
52.9786


163.1796,
186.3290, 196.5316

 29.9079, 36.2913,
37.3981


201.0220,
228.2972, 241.3021

 19.9164, 24.6592,
25.2177

244.3045,
276.1367, 292.4024

 12.4422, 15.8234,
16.0188

293.3925,
330.2319, 350.2512

 7.1199, 9.3992,
9.3830

348.6513,

 3.5842, 5.0025,

390.9672, 415.2670

4.8916

410.4464,
458.7271, 487.8682

■ 1.4697, 2.2487,
2.1262

■ 0.3051, 0.7464,
0.6313

■ 78.6396, 91.8083,
96.0141

■ 78.6396, 91.8083,
96.0141

■ 70.5709, 87.7977,
88.9078

■ 87.9358, 96.4442,
103.5189

■ 63.6717, 84.3826,
82.1882

95.0500, 100.0000,
108.9000

■ 57.8833, 81.5329,
75.8490

■ 53.1406, 79.2151,
69.8823

■ 49.3715, 77.3922,
64.2794

■ 46.4942, 76.0221,
59.0314

■ 44.4131, 75.0555,
54.1284

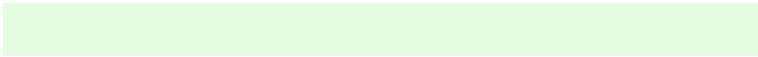
■ 43.0070, 74.4304,
49.5591

■ 42.6478, 74.2751,
48.1905

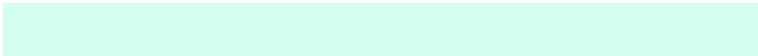
Harmonies

Analogous

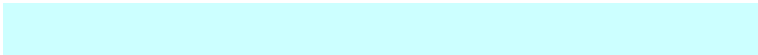
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4201, 91.8083, 84.5850



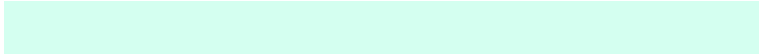
78.6396, 91.8083, 96.0141



79.1038, 91.8083, 109.5652

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.6396, 91.8083, 96.0141



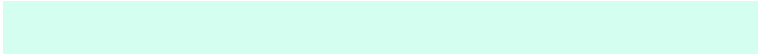
90.5522, 91.8083, 126.0874



93.0562, 91.8083, 81.1569

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



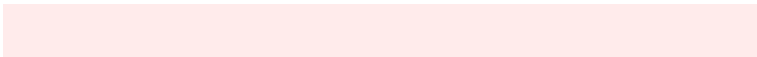
78.6396, 91.8083, 96.0141



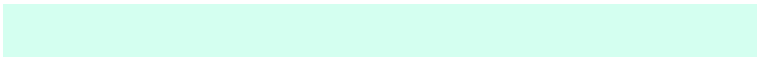
78.6493, 73.8942, 82.7912

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.9607, 91.8083, 90.9400



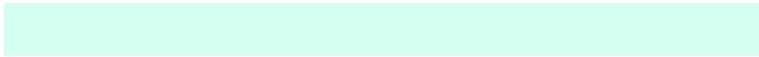
78.6396, 91.8083, 96.0141



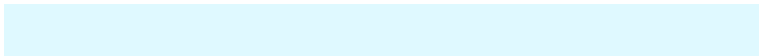
94.4793, 91.8083, 117.1017

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.6396, 91.8083, 96.0141



85.8708, 91.8083, 127.7547



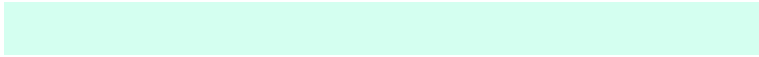
96.4906, 91.8083, 104.0200



88.6661, 91.8083, 76.5268

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



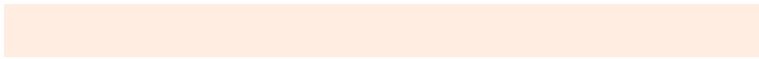
78.6396, 91.8083, 96.0141



80.6308, 91.8083, 117.9468



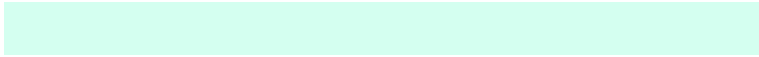
96.4906, 91.8083, 104.0200



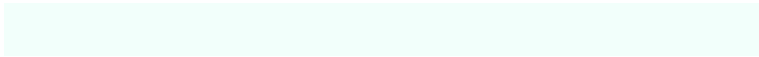
94.2451, 91.8083, 83.9081

Sweetspot

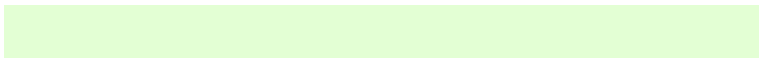
The Sweet Spot groups the original color and five complimentary colors.



78.6405, 91.8088, 96.0156



89.8059, 97.3784, 104.9601



79.3388, 92.6129, 75.9834



19.0700, 20.7669, 22.3490



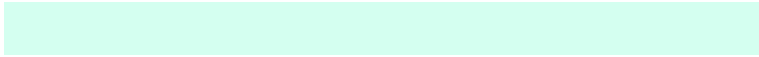
0.0000, 0.0000, 0.0000



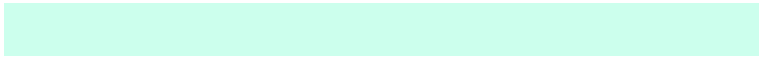
20.3446, 21.4041, 23.3091

Same Dimension

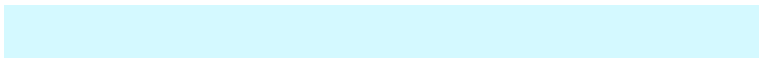
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6405, 91.8088, 96.0156



75.9787, 90.4841, 93.7428



78.9389, 88.6911, 107.5663



18.2700, 20.3675, 21.7246



22.3577, 38.8397, 25.5666



2.2286, 3.8024, 2.7616

Inverse Universe

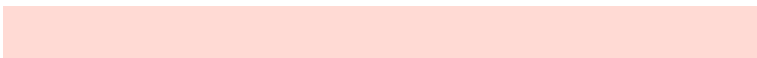
The Inverse Universe completely reimagines the original color for something new.



78.6493, 73.8942, 82.7912



75.9895, 69.7084, 78.4094



78.3127, 76.3912, 72.9064



18.2710, 18.0917, 20.0440



22.5532, 11.5106, 6.2979



2.2452, 1.1405, 0.8729

Previews

White Background



This preview shows how the XYZ color 78.6396, 91.8083, 96.0141 looks on a white background.

Color Contrast Check

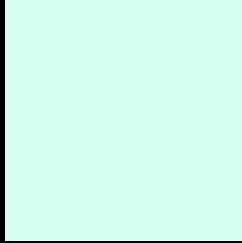
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 78.6396, 91.8083, 96.0141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

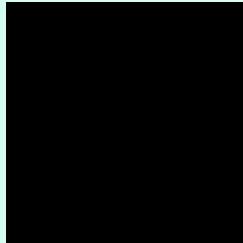
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

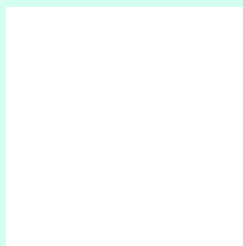
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.6396, 91.8083, 96.0141

Background



This preview shows how black text looks on a background with the XYZ color 78.6396, 91.8083, 96.0141.



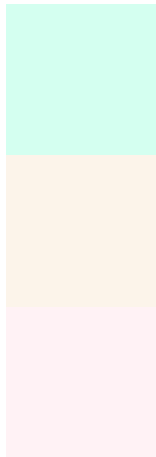
This preview shows how white text looks on a background with the XYZ color 78.6396, 91.8083,

96.0141.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

78.6396, 91.8083, 96.0141

Protanopia

87.3469, 91.3373, 90.8681

Deuteranopia

89.4736, 91.3568, 99.3041



Tritanopia

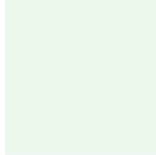
85.5717, 91.4037, 107.7403

Trichromacy



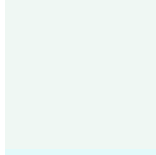
Original Color

78.6396, 91.8083, 96.0141



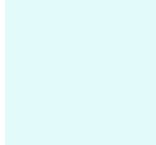
Protanomaly

83.6328, 91.1955, 92.5514



Deuteranomaly

85.0350, 91.3433, 97.9432



Tritanomaly

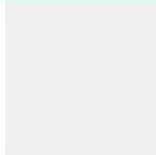
83.1195, 91.6042, 103.7430

Monochromacy



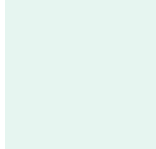
Original Color

78.6396, 91.8083, 96.0141



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

81.0137, 88.4191, 95.2348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6396, 91.8083, 96.0141 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(212, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 240)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(212, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 240) }
```

Border

The CSS property to change the border of an element to XYZ 78.6396, 91.8083, 96.0141 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(212, 255, 240) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(212, 255, 240) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(212, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6396, 91.8083, 96.0141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 240) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(212,  
255, 240) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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