

Converting Colors

XYZ(82.1623, 100.0000,
106.8007)

Have a look what the booklet for
XYZ(82.1623, 100.0000, 106.8007)
contains.

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Color

**XYZ(77.6878, 91.1048,
105.5859)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFFFC
RGB	202, 255, 252
RGB Percent	79%, 100%, 99%
CMY	0.2078, 0.0000, 0.0118
CMYK	0.21, 0.00, 0.01, 0.00
HSL	177°, 100%, 90%
HSV	177°, 21%, 100%
XYZ	77.6878, 91.1048, 105.5859
YIQ	238.8110, -30.6250, -12.1690

Conversions

Conversions Part 2

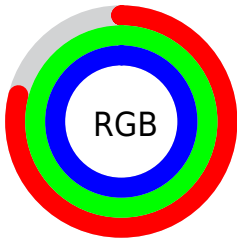
Format	Color
R _Y B	202, 229, 255
Decimal	13303804
CIE Lab	96.45, -17.22, -4.08
CIE LCh	96, 17.695, 193.317
Yxy	91.1048, 0.2831, 0.3320
Android (android.graphics.Color)	4291493884 (0xFFCAFFFC)
YUV	238.8110, 6.5022, -32.2832
Hunter-Lab	95.4488, -21.7506, 1.2273

Details

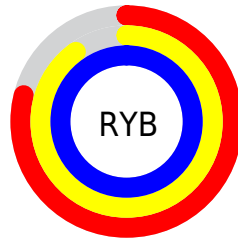
The XYZ color **77.6878, 91.1048, 105.5859** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.3807, 67.9101, 66.9986**, and the grayscale version is **81.8650, 86.1284, 93.7938**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0770, 50.5313, 59.1656** is the 20% darker color. If you saturate the color by 10%, you get **71.1215, 87.7461, 104.0911**, and if you desaturate by 10%, it is **85.3979, 95.0530, 107.1462**.

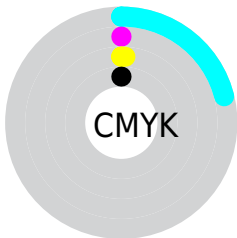
Distribution



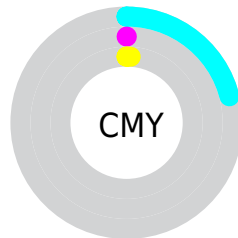
- Red (79%)
- Green (100%)
- Blue (99%)



- Red (79%)
- Yellow (90%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6878, 91.1048, 105.5859 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 77.6878, 91.1048, 105.5859 by changing the saturation by 10% instead.

77.6878, 91.1048,
105.5859

77.6878, 91.1048,
105.5859

475.9620,
531.6182, 599.3559

58.1194, 68.8973,
80.3309

129.0776,
148.8721, 170.9311

42.1483, 50.6281,
59.4629

161.6298,
185.2006, 211.8584

29.4091, 35.9127,
42.5634

199.2406,
227.0050, 258.8469

19.5363, 24.3668,
29.2139

242.2755,
274.6697, 312.3151

12.1647, 15.6059,
18.9957

291.0997,
328.5789, 372.6816

6.9290, 9.2457,
11.4904

346.0786,

3.4637, 4.9018,

389.1171, 440.3648

6.2794

407.5775,
456.6688, 515.7834

■ 1.4034, 2.1898,
2.9442

■ 0.2587, 0.7144,
1.0662

■ 77.6878, 91.1048,
105.5859

■ 77.6878, 91.1048,
105.5859

■ 71.1215, 87.7461,
104.0911

■ 85.3979, 95.0530,
107.1462

■ 65.6401, 84.9464,
102.6546

94.3008, 99.6159,
108.7700

■ 61.1838, 82.6750,
101.2752

95.0500, 100.0000,
108.9000

■ 57.6859, 80.8975,
99.9496

■ 55.0721, 79.5756,
98.6743

■ 53.2568, 78.6650,
97.4454

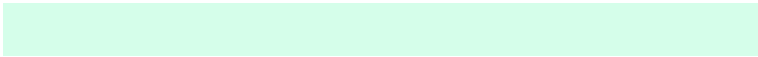
■ 52.1375, 78.1132,
96.2580

■ 51.5736, 77.8454,
95.1934

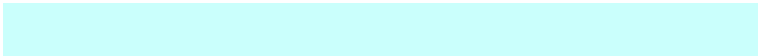
Harmonies

Analogous

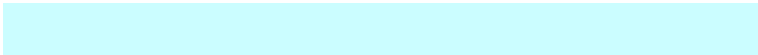
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8220, 91.1048, 91.6029



77.6878, 91.1048, 105.5859



79.8741, 91.1048, 119.0212

Triad

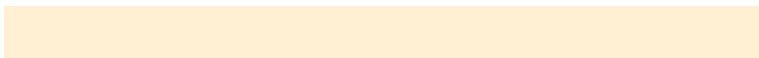
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6878, 91.1048, 105.5859



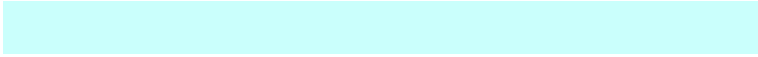
93.2627, 91.1048, 120.2999



89.3436, 91.1048, 75.3890

Complementary

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



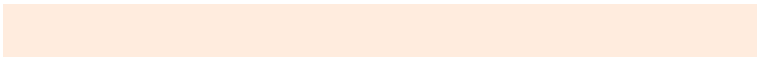
77.6878, 91.1048, 105.5859



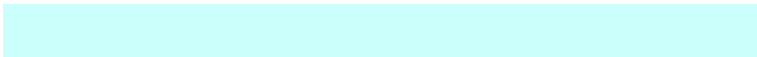
73.3807, 67.9101, 66.9986

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.



93.6772, 91.1048, 81.7073



77.6878, 91.1048, 105.5859



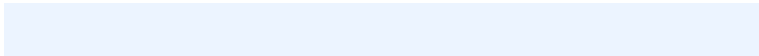
95.9981, 91.1048, 107.2009

Square

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



77.6878, 91.1048, 105.5859



88.7952, 91.1048, 128.0443



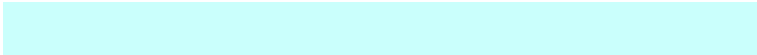
96.1526, 91.1048, 93.0724



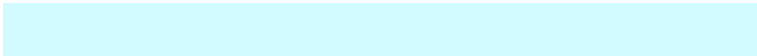
84.4263, 91.1048, 75.0456

Rectangle

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



77.6878, 91.1048, 105.5859



82.4031, 91.1048, 125.4980



96.1526, 91.1048, 93.0724



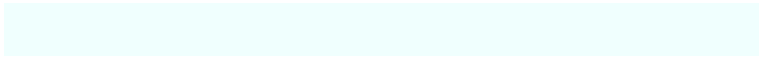
90.9213, 91.1048, 76.8552

Sweetspot

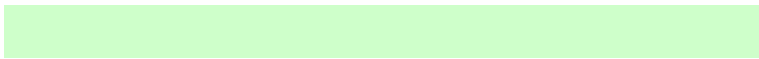
The Sweet Spot groups the original color and five complimentary colors.



77.6888, 91.1053, 105.5874



89.5043, 97.1572, 107.9147



71.7459, 88.8399, 69.2452



19.0341, 20.7323, 23.0755



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

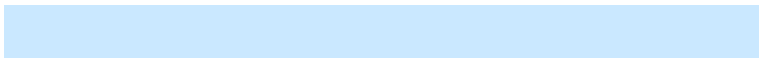
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6888, 91.1053, 105.5874



74.7835, 89.6187, 104.9490



71.2742, 77.5096, 105.8120



18.5079, 20.4627, 22.9774



26.9675, 40.6836, 49.8417



2.6387, 3.9664, 4.9214

Inverse Universe

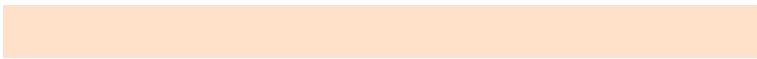
The Inverse Universe completely reimagines the original color for something new.



73.3807, 67.9101, 66.9986



69.7595, 62.5644, 59.9441



78.8176, 79.3576, 67.0422



18.0510, 18.0037, 18.8859



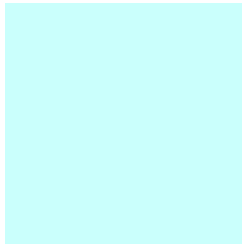
21.6082, 11.1326, 1.3211



2.1179, 1.0895, 0.2022

Previews

White Background



This preview shows how the XYZ color 77.6878, 91.1048, 105.5859 looks on a white background.

Color Contrast Check

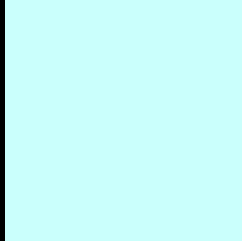
Large Text (above 18pt) WCAG AA × Fail

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 77.6878, 91.1048, 105.5859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

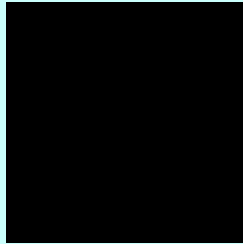
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.6878, 91.1048, 105.5859

Background



This preview shows how black text looks on a background with the XYZ color 77.6878, 91.1048, 105.5859.



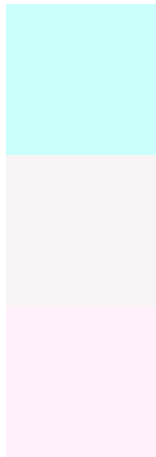
This preview shows how white text looks on a background with the XYZ color 77.6878, 91.1048,

105.5859.

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

77.6878, 91.1048, 105.5859

Protanopia

87.2434, 90.6502, 99.2852

Deuteranopia

89.8127, 90.5452, 104.0101



Tritanopia

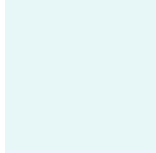
84.2658, 90.7305, 107.6792

Trichromacy



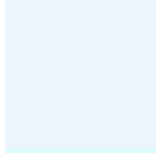
Original Color

77.6878, 91.1048, 105.5859



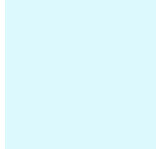
Protanomaly

83.1590, 90.2878, 101.8513



Deuteranomaly

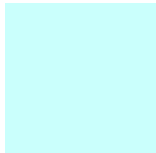
84.6571, 90.1027, 104.1964



Tritanomaly

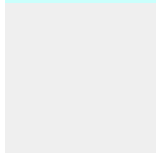
81.5902, 90.7426, 106.9807

Monochromacy



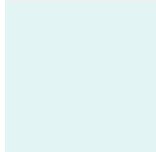
Original Color

77.6878, 91.1048, 105.5859



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.3456, 88.0052, 98.3400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6878, 91.1048, 105.5859 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(202, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 252)  
}
```

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(202, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 252) }
```

Border

The CSS property to change the border of an element to XYZ 77.6878, 91.1048, 105.5859 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(202, 255, 252) }
```


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

```
.border{ border-color:rgb(202, 255, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6878, 91.1048, 105.5859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 252) }
```

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

```
.background{ background-color: rgb(202,  
255, 252) }
```

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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