

Converting Colors

XYZ(80.7656, 90.9764, 96.4440)

Have a look what the booklet for
XYZ(80.7656, 90.9764, 96.4440)
contains.

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Color

**XYZ(80.8058, 91.0332,
96.5313)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFBF1
RGB	223, 251, 241
RGB Percent	87%, 98%, 95%
CMY	0.1255, 0.0157, 0.0549
CMYK	0.11, 0.00, 0.04, 0.02
HSL	159°, 78%, 93%
HSV	159°, 11%, 98%
XYZ	80.8058, 91.0332, 96.5313
YIQ	241.4880, -13.4780, -9.0460

Conversions

Conversions Part 2

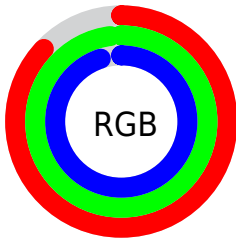
Format	Color
R _Y B	223, 240, 251
Decimal	14679025
CIE Lab	96.42, -10.92, 1.70
CIE LCh	96, 11.052, 171.140
Yxy	91.0332, 0.3011, 0.3392
Android (android.graphics.Color)	4292869105 (0xFFDFFBF1)
YUV	241.4880, -0.2406, -16.2140
Hunter-Lab	95.4113, -15.7945, 6.8020

Details

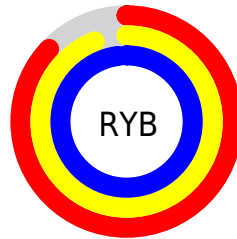
The XYZ color **80.8058, 91.0332, 96.5313** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.8826, 79.1702, 88.1135**, and the grayscale version is **84.0052, 88.3800, 96.2459**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1972, 50.4112, 53.2998** is the 20% darker color. If you saturate the color by 10%, you get **72.3321, 86.8183, 89.3154**, and if you desaturate by 10%, it is **90.4970, 95.8731, 104.1522**.

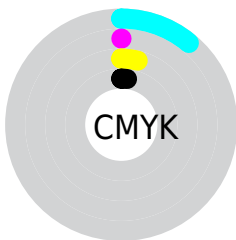
Distribution



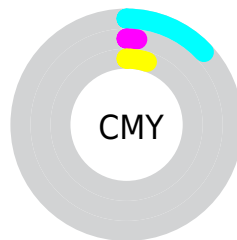
- Red (87%)
- Green (98%)
- Blue (95%)



- Red (87%)
- Yellow (94%)
- Blue (98%)



- Cyan (11%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)





- Cyan (13%)
- Magenta (2%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.8058, 91.0332, 96.5313 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 80.8058, 91.0332, 96.5313 by changing the saturation by 10% instead.


 80.8058, 91.0332,
96.5313

 80.8058, 91.0332,
96.5313


486.3396,
531.3861, 570.1648

 60.6924, 68.8379,
72.8062


133.4426,
148.7727, 158.3922

 44.2286, 50.5797,
53.3267


166.6968,
185.0857, 197.3651

 31.0489, 35.8742,
37.6741


205.0619,
226.8734, 242.2577

 20.7881, 24.3371,
25.4300

248.9034,
274.5202, 293.4885

 13.0808, 15.5839,
16.1758

298.5865,
328.4105, 351.4761

 7.5616, 9.2302,
9.4929

354.4767,

 3.8652, 4.8916,

388.9286, 416.6390

4.9629

416.9393,
456.4590, 489.3957

■ 1.6261, 2.1838,
2.1671

■ 0.4093, 0.7111,
0.6553

■ 80.8058, 91.0332,
96.5313

■ 80.8058, 91.0332,
96.5313

■ 72.3321, 86.8183,
89.3154

■ 90.4970, 95.8731,
104.1522

■ 65.0170, 83.1907,
82.4910

■ 93.7889, 97.4778,
108.4796

■ 58.8081, 80.1260,
76.0528

■ 53.6459, 77.5936,
69.9927

■ 49.4650, 75.5599,
64.3025

■ 46.1924, 73.9874,
58.9734

■ 43.7445, 72.8330,
53.9959

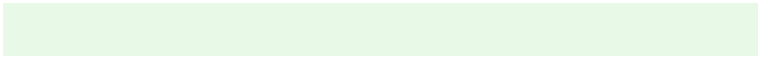
■ 42.0208, 72.0453,
49.3597

■ 40.9618, 71.5829,
45.5330

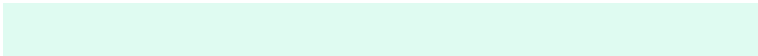
Harmonies

Analogous

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



81.9959, 91.0332, 88.8582



80.8058, 91.0332, 96.5313



81.1194, 91.0332, 105.3609

Triad

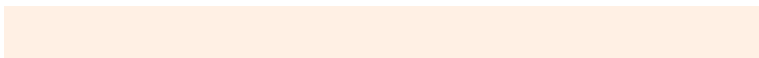
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8058, 91.0332, 96.5313



88.6770, 91.0332, 115.7889



90.2920, 91.0332, 86.4950

Complementary

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



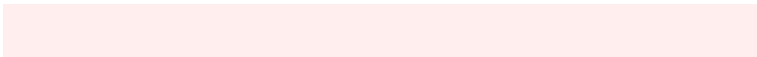
80.8058, 91.0332, 96.5313



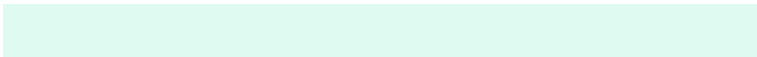
80.8826, 79.1702, 88.1135

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.



92.1642, 91.0332, 93.1299



80.8058, 91.0332, 96.5313



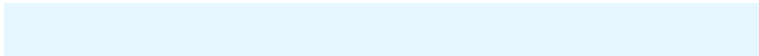
91.2165, 91.0332, 110.1422

Square

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



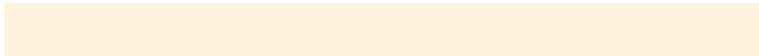
80.8058, 91.0332, 96.5313



85.6158, 91.0332, 116.8332



92.5065, 91.0332, 101.7539



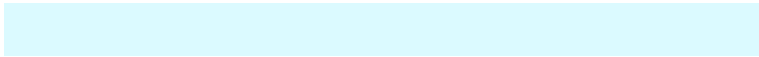
87.4393, 91.0332, 83.2936

Rectangle

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



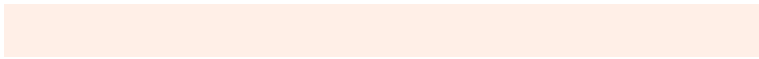
80.8058, 91.0332, 96.5313



82.1421, 91.0332, 110.6977



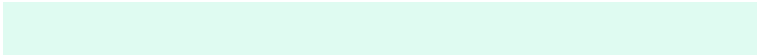
92.5065, 91.0332, 101.7539



91.0597, 91.0332, 88.3785

Sweetspot

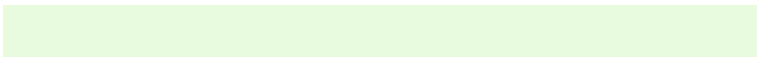
The Sweet Spot groups the original color and five complimentary colors.



80.8084, 91.0370, 96.5333



91.8544, 98.4031, 106.4701



81.5109, 91.6947, 83.2162



19.4821, 20.9731, 22.6513



0.0000, 0.0000, 0.0000



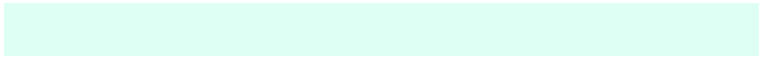
20.3446, 21.4041, 23.3091

Same Dimension

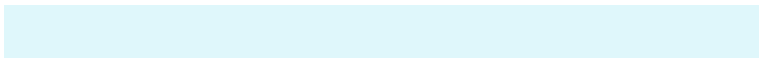
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8084, 91.0370, 96.5333



82.0398, 93.5065, 98.6436



81.1894, 89.3415, 104.2368



17.4872, 19.4972, 20.7661



21.6022, 37.6539, 24.3121



2.0513, 3.5076, 2.5178

Inverse Universe

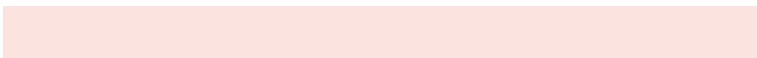
The Inverse Universe completely reimagines the original color for something new.



80.8826, 79.1702, 88.1135



82.1285, 79.3457, 88.5969



80.5021, 80.6318, 81.1340



17.5008, 17.3277, 19.2267



21.9374, 11.1907, 6.3786



2.0803, 1.0559, 0.8463

Previews

White Background



This preview shows how the XYZ color 80.8058, 91.0332, 96.5313 looks on a white background.

Color Contrast Check

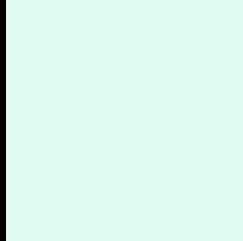
Large Text (above 18pt) WCAG AA × Fail

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 80.8058, 91.0332, 96.5313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

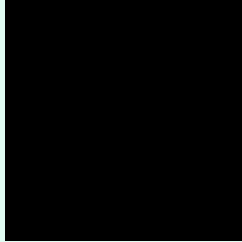
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

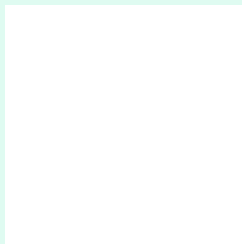
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8058, 91.0332, 96.5313

Background



This preview shows how black text looks on a background with the XYZ color 80.8058, 91.0332, 96.5313.



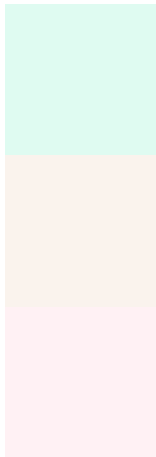
This preview shows how white text looks on a background with the XYZ color 80.8058, 91.0332,

96.5313.

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

80.8058, 91.0332, 96.5313

Protanopia

86.7610, 90.5396, 93.0239

Deuteranopia

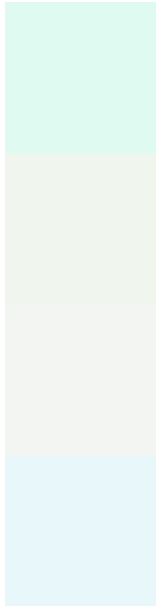
89.0244, 90.7022, 98.4031



Tritanopia

85.9308, 91.1361, 107.6697

Trichromacy



Original Color

80.8058, 91.0332, 96.5313

Protanomaly

84.3236, 90.6098, 93.9340

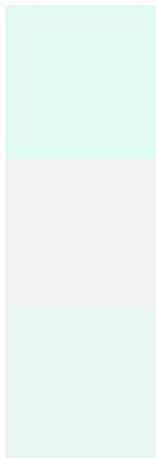
Deuteranomaly

85.7922, 90.8306, 97.8043

Tritanomaly

84.1014, 91.1927, 103.6118

Monochromacy



Original Color

80.8058, 91.0332, 96.5313

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.4613, 89.1481, 96.0802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8058, 91.0332, 96.5313 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(223, 251, 241)` looks like.

```
.text, #text, p{  
    color:rgb(223, 251, 241)  
}
```

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(223, 251, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 251, 241) }
```

Border

The CSS property to change the border of an element to XYZ 80.8058, 91.0332, 96.5313 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(223, 251, 241) }
```


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

```
.border{ border-color:rgb(223, 251, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 251, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 251, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 251, 241);  
box-shadow:4px 4px 4px 4px rgb(223, 251,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8058, 91.0332, 96.5313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 251, 241) }
```

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

```
.background{ background-color: rgb(223,  
251, 241) }
```

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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