

Converting Colors

XYZ(80.2551, 90.5007,
102.5194)

Have a look what the booklet for
XYZ(80.2551, 90.5007, 102.5194)
contains.

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Color

**XYZ(80.5095, 90.7393,
102.8937)**

Conversions

Conversions Part 1

Format	Color
Hex	DAFBF9
RGB	218, 251, 249
RGB Percent	85%, 98%, 98%
CMY	0.1451, 0.0157, 0.0235
CMYK	0.13, 0.00, 0.01, 0.02
HSL	176°, 81%, 92%
HSV	176°, 13%, 98%
XYZ	80.5095, 90.7393, 102.8937
YIQ	240.9050, -19.0260, -7.6180

Conversions

Conversions Part 2

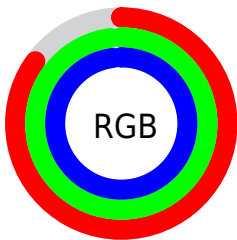
Format	Color
R _Y B	218, 235, 251
Decimal	14351353
CIE Lab	96.30, -10.98, -2.64
CIE LCh	96, 11.290, 193.514
Yxy	90.7393, 0.2937, 0.3310
Android (android.graphics.Color)	4292541433 (0xFFDAFBF9)
YUV	240.9050, 3.9908, -20.0877
Hunter-Lab	95.2572, -15.8354, 2.6369

Details

The XYZ color **80.5095, 90.7393, 102.8937** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.7766, 75.8218, 78.2499**, and the grayscale version is **83.5168, 87.8662, 95.6863**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0217, 50.2204, 57.8254** is the 20% darker color. If you saturate the color by 10%, you get **73.3285, 87.0671, 101.3238**, and if you desaturate by 10%, it is **88.8343, 95.0058, 104.5310**.

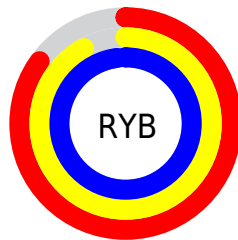
Distribution



Red (85%)

Green (98%)

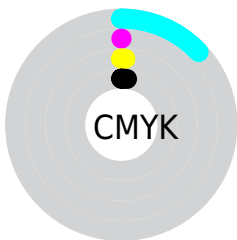
Blue (98%)



Red (85%)

Yellow (92%)

Blue (98%)

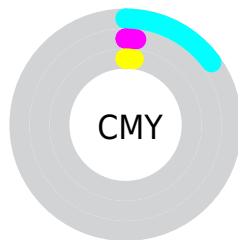


Cyan (13%)

Magenta (0%)

Yellow (1%)

Black (2%)



Cyan (15%)

Magenta (2%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5095, 90.7393, 102.8937 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 80.5095, 90.7393, 102.8937 by changing the saturation by 10% instead.

80.5095, 90.7393,
102.8937

80.5095, 90.7393,
102.8937

485.3587,
530.4328, 590.7566

60.4476, 68.5940,
78.0891

133.0286,
148.3649, 167.2146

44.0304, 50.3811,
57.6303

166.2165,
184.6139, 207.5679

30.8924, 35.7163,
41.0987

204.5105,
226.3330, 253.9413

20.6683, 24.2152,
28.0760

248.2759,
273.9066, 306.7531

12.9929, 15.4933,
18.1434

297.8780,
327.7189, 366.4220

7.5006, 9.1663,
10.8825

353.6823,

3.8262, 4.8498,

388.1545, 433.3665

5.8747

416.0541,
455.5977, 508.0052

■ 1.6043, 2.1594,
2.7015

■ 0.3952, 0.6977,
0.9442

■ 80.5095, 90.7393,
102.8937

■ 80.5095, 90.7393,
102.8937

■ 73.3285, 87.0671,
101.3238

■ 88.8343, 95.0058,
104.5310

■ 67.2325, 83.9517,
99.8128

■ 93.3173, 97.2890,
105.9967

■ 62.1694, 81.3684,
98.3601

■ 93.5599, 97.3861,
107.2741

■ 58.0794, 79.2867,
96.9630

■ 93.7888, 97.4776,
108.4796

■ 54.8970, 77.6726,
95.6184

■ 52.5483, 76.4880,
94.3227

■ 50.9479, 75.6890,
93.0719

■ 49.9921, 75.2221,
91.8612

■ 49.6054, 75.0403,
91.0499

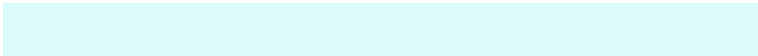
Harmonies

Analogous

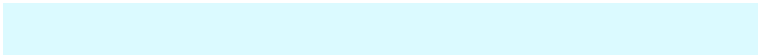
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5869, 90.7393, 93.9759



80.5095, 90.7393, 102.8937



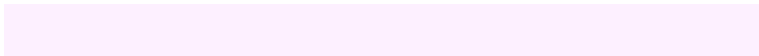
81.9423, 90.7393, 111.1836

Triad

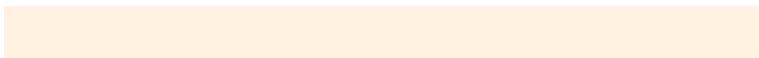
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5095, 90.7393, 102.8937



90.4671, 90.7393, 111.8706



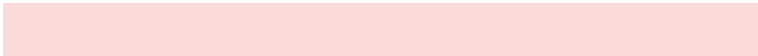
87.9688, 90.7393, 83.1368

Complementary

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



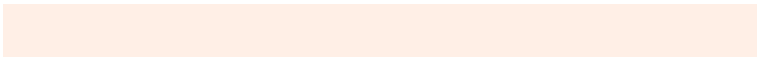
80.5095, 90.7393, 102.8937



77.7766, 75.8218, 78.2499

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.



90.6958, 90.7393, 87.3713



80.5095, 90.7393, 102.8937



92.1619, 90.7393, 103.7857

Square

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



80.5095, 90.7393, 102.8937



87.6629, 90.7393, 116.5746



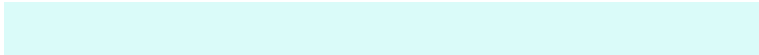
92.2466, 90.7393, 94.8157



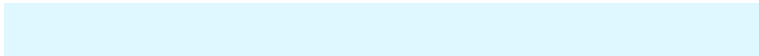
84.8424, 90.7393, 82.9302

Rectangle

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



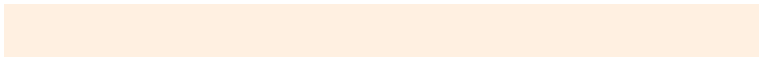
80.5095, 90.7393, 102.8937



83.5816, 90.7393, 115.0898



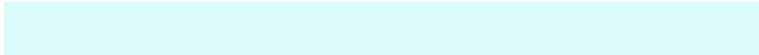
92.2466, 90.7393, 94.8157



88.9644, 90.7393, 84.1241

Sweetspot

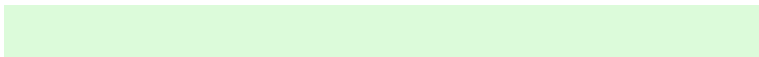
The Sweet Spot groups the original color and five complimentary colors.



80.5121, 90.7431, 102.8957



91.2969, 98.0767, 108.2048



76.7305, 89.3070, 79.5251



19.3949, 20.9175, 23.1326



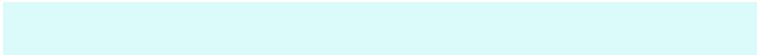
0.0000, 0.0000, 0.0000



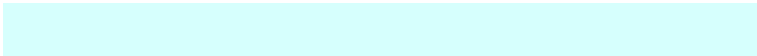
20.3446, 21.4041, 23.3091

Same Dimension

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



80.5121, 90.7431, 102.8957



81.2037, 92.9078, 106.1839



76.5261, 82.2682, 103.1171



17.7176, 19.5893, 21.9796



26.0934, 39.4504, 47.9625



2.4301, 3.6592, 4.5128

Inverse Universe

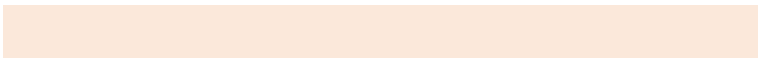
The Inverse Universe completely reimagines the original color for something new.



77.7766, 75.8218, 78.2499



77.8196, 74.4474, 75.6937



81.3829, 83.4566, 78.1506



17.2873, 17.2423, 18.1028



20.9750, 10.8057, 1.3108



1.9572, 1.0066, 0.1978

Previews

White Background



This preview shows how the XYZ color 80.5095, 90.7393, 102.8937 looks on a white background.

Color Contrast Check

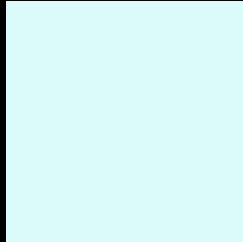
Large Text (above 18pt) WCAG AA × Fail

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 80.5095, 90.7393, 102.8937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

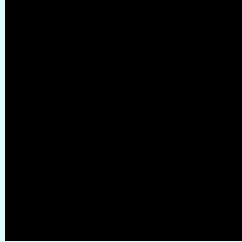
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

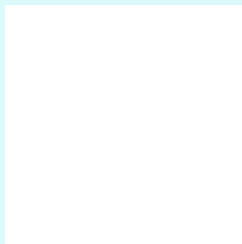
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.5095, 90.7393, 102.8937

Background



This preview shows how black text looks on a background with the XYZ color 80.5095, 90.7393, 102.8937.



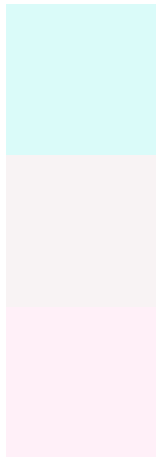
This preview shows how white text looks on a background with the XYZ color 80.5095, 90.7393,

102.8937.

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

80.5095, 90.7393, 102.8937

Protanopia

87.0911, 90.5893, 98.4832

Deuteranopia

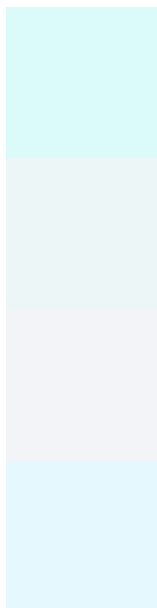
89.3434, 90.3575, 101.5388



Tritanopia

84.9375, 90.6240, 107.6232

Trichromacy



Original Color

80.5095, 90.7393, 102.8937

Protanomaly

84.5154, 90.5699, 100.2161

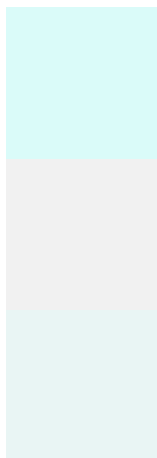
Deuteranomaly

85.9119, 90.3559, 101.7193

Tritanomaly

83.2919, 90.7206, 106.0494

Monochromacy



Original Color

80.5095, 90.7393, 102.8937

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.5858, 89.1601, 98.4448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5095, 90.7393, 102.8937 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(218, 251, 249)` looks like.

```
.text, #text, p{  
    color:rgb(218, 251, 249)  
}
```

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(218, 251, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 251, 249) }
```

Border

The CSS property to change the border of an element to XYZ 80.5095, 90.7393, 102.8937 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(218, 251, 249) }
```


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

```
.border{ border-color:rgb(218, 251, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 251, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 251, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 251, 249);  
box-shadow:4px 4px 4px 4px rgb(218, 251,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5095, 90.7393, 102.8937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 251, 249) }
```

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

```
.background{ background-color: rgb(218,  
251, 249) }
```

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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