

Converting Colors

XYZ(80.1197, 88.7516,
100.1777)

Have a look what the booklet for
XYZ(80.1197, 88.7516, 100.1777)
contains.

XYZ(80.0195, 88.7049, 100.0931)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.0195, 88.7049,
100.0931)**

Conversions

Conversions Part 1

Format	Color
Hex	DEF7F6
RGB	222, 247, 246
RGB Percent	87%, 97%, 96%
CMY	0.1294, 0.0314, 0.0353
CMYK	0.10, 0.00, 0.00, 0.03
HSL	178°, 61%, 92%
HSV	178°, 10%, 97%
XYZ	80.0195, 88.7049, 100.0931
YIQ	239.4110, -14.5790, -5.6110

Conversions

Conversions Part 2

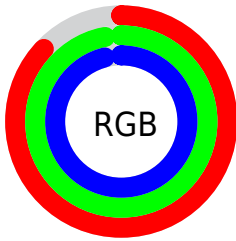
Format	Color
R _Y B	222, 235, 247
Decimal	14612470
CIE Lab	95.46, -8.29, -2.30
CIE LCh	95, 8.607, 195.494
Yxy	88.7049, 0.2977, 0.3300
Android (android.graphics.Color)	4292802550 (0xFFDEF7F6)
YUV	239.4110, 3.2484, -15.2694
Hunter-Lab	94.1833, -13.1645, 2.9180

Details

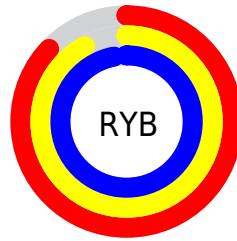
The XYZ color **80.0195, 88.7049, 100.0931** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.8015, 77.3468, 80.6448**, and the grayscale version is **82.3500, 86.6386, 94.3494**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8614, 49.1948, 55.8990** is the 20% darker color. If you saturate the color by 10%, you get **72.8504, 85.0290, 98.9671**, and if you desaturate by 10%, it is **88.3028, 92.9599, 101.2791**.

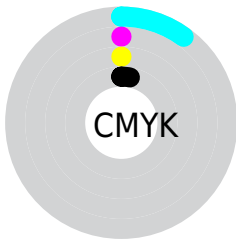
Distribution



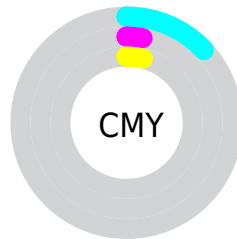
- Red (87%)
- Green (97%)
- Blue (96%)



- Red (87%)
- Yellow (92%)
- Blue (97%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



- Cyan (13%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.0195, 88.7049, 100.0931 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 80.0195, 88.7049, 100.0931 by changing the saturation by 10% instead.

80.0195, 88.7049,
100.0931

80.0195, 88.7049,
100.0931

483.7341,
523.8089, 581.7403

60.0429, 66.9070,
75.7610

132.3435,
145.5381, 163.3381

43.7028, 49.0091,
55.7310

165.4217,
181.3422, 203.0881

30.6339, 34.6267,
39.5848

203.5978,
222.5839, 248.8144

20.4707, 23.3754,
26.9036

247.2371,
269.6475, 300.9356

12.8479, 14.8710,
17.2691

296.7050,
322.9174, 359.8703

7.4001, 8.7289,
10.2625

352.3669,

3.7621, 4.5648,

382.7780, 426.0369

5.4655

414.5882,
449.6137, 499.8541

■ 1.5685, 1.9942,
2.4594

■ 0.3717, 0.6041,
0.8185

■ 80.0195, 88.7049,
100.0931

■ 80.0195, 88.7049,
100.0931

■ 72.8504, 85.0290,
98.9671

■ 88.3028, 92.9599,
101.2791

■ 66.7399, 81.8964,
97.8931

■ 91.4433, 94.5611,
102.2269

■ 61.6390, 79.2841,
96.8705

■ 91.5975, 94.6228,
103.0392

■ 57.4919, 77.1635,
95.8968

■ 91.7526, 94.6848,
103.8557

■ 54.2373, 75.5029,
94.9691

■ 91.9085, 94.7472,
104.6766

■ 51.8071, 74.2671,
94.0842

■ 92.0652, 94.8099,
105.5018

■ 50.1229, 73.4159,
93.2384

■ 92.2227, 94.8729,
106.3312

■ 49.0916, 72.9011,
92.4273

■ 92.3810, 94.9362,
107.1651

■ 48.5618, 72.6445,
91.6532

■ 92.5402, 94.9999,
108.0032

Harmonies

Analogous

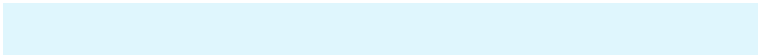
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0000, 88.7049, 93.3702



80.0195, 88.7049, 100.0931



81.1746, 88.7049, 106.1389

Triad

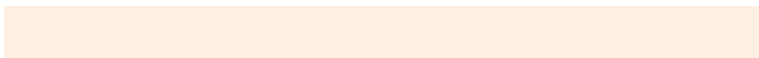
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0195, 88.7049, 100.0931



87.5846, 88.7049, 105.9704



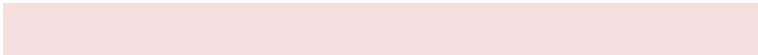
85.4515, 88.7049, 84.5573

Complementary

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



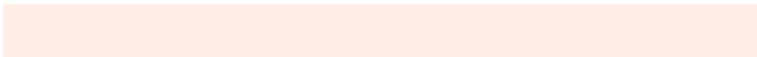
80.0195, 88.7049, 100.0931



77.8015, 77.3468, 80.6448

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.



87.5279, 88.7049, 87.6215



80.0195, 88.7049, 100.0931



88.7749, 88.7049, 99.8718

Square

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



80.0195, 88.7049, 100.0931



85.5277, 88.7049, 109.6383



88.7540, 88.7049, 93.1590



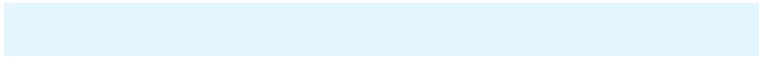
83.1066, 88.7049, 84.6104

Rectangle

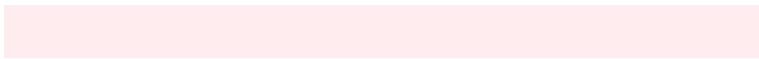
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0195, 88.7049, 100.0931



82.4457, 88.7049, 108.8811



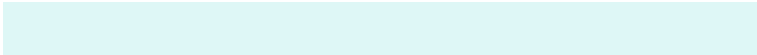
88.7540, 88.7049, 93.1590



86.2049, 88.7049, 85.2505

Sweetspot

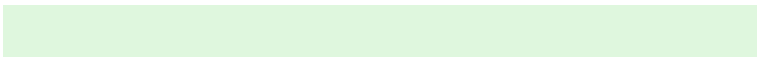
The Sweet Spot groups the original color and five complimentary colors.



80.0220, 88.7086, 100.0951



92.2419, 98.5581, 108.5107



76.9567, 87.5269, 81.9470



19.5870, 21.0151, 23.2037



0.0000, 0.0000, 0.0000



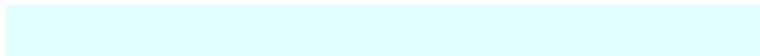
20.3446, 21.4041, 23.3091

Same Dimension

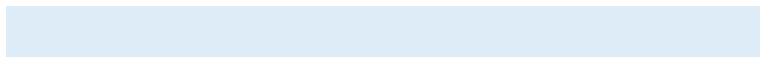
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0220, 88.7086, 100.0951



84.4775, 94.5724, 107.3763



76.8388, 82.0949, 99.7960



16.9663, 18.7457, 21.1068



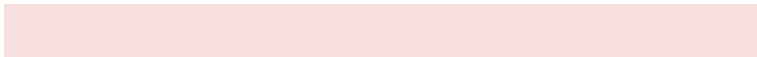
25.6947, 38.4227, 48.5397



2.2671, 3.3805, 4.3125

Inverse Universe

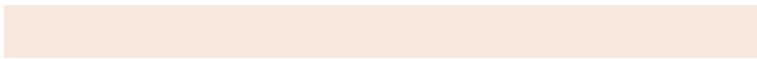
The Inverse Universe completely reimagines the original color for something new.



77.8015, 77.3468, 80.6448



81.6798, 80.2572, 82.8705



80.7555, 83.4706, 80.9639



16.5261, 16.4933, 17.2510



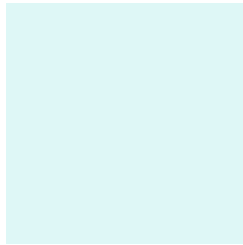
20.3271, 10.4743, 1.1649



1.7959, 0.9243, 0.1514

Previews

White Background



This preview shows how the XYZ color 80.0195, 88.7049, 100.0931 looks on a white background.

Color Contrast Check

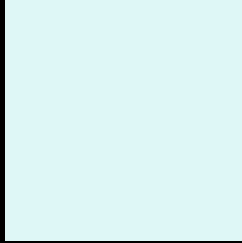
Large Text (above 18pt) WCAG AA × Fail

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 80.0195, 88.7049, 100.0931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

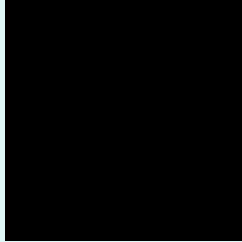
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

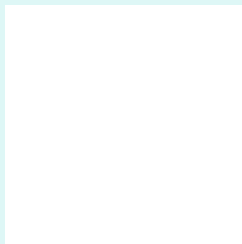
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.0195, 88.7049, 100.0931

Background



This preview shows how black text looks on a background with the XYZ color 80.0195, 88.7049, 100.0931.



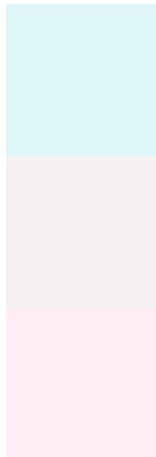
This preview shows how white text looks on a background with the XYZ color 80.0195, 88.7049,

100.0931.

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

80.0195, 88.7049, 100.0931

Protanopia

84.8433, 88.1435, 96.5461

Deuteranopia

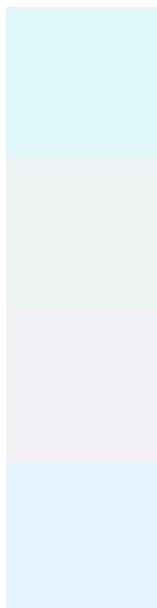
88.1587, 88.4822, 99.6211



Tritanopia

83.3793, 88.4770, 107.2909

Trichromacy



Original Color

80.0195, 88.7049, 100.0931

Protanomaly

83.1533, 88.5768, 97.5084

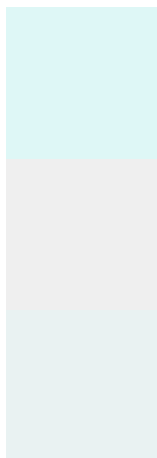
Deuteranomaly

85.0520, 88.6191, 99.8113

Tritanomaly

81.9163, 88.2236, 104.8069

Monochromacy



Original Color

80.0195, 88.7049, 100.0931

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.3834, 87.2387, 96.5538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0195, 88.7049, 100.0931 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(222, 247, 246)` looks like.

```
.text, #text, p{  
    color:rgb(222, 247, 246)  
}
```

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(222, 247, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 247, 246) }
```

Border

The CSS property to change the border of an element to XYZ 80.0195, 88.7049, 100.0931 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(222, 247, 246) }
```


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

```
.border{ border-color:rgb(222, 247, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 247, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 247, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 247, 246);  
box-shadow:4px 4px 4px 4px rgb(222, 247,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0195, 88.7049, 100.0931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 247, 246) }
```

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

```
.background{ background-color: rgb(222,  
247, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor