

Converting Colors

XYZ(80.9570, 92.4789, 97.3680)

Have a look what the booklet for
XYZ(80.9570, 92.4789, 97.3680)
contains.

XYZ(80.9840, 92.5101, 97.5923)	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(80.9840, 92.5101,
97.5923)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFEF2
RGB	220, 254, 242
RGB Percent	86%, 100%, 95%
CMY	0.1372, 0.0039, 0.0510
CMYK	0.13, 0.00, 0.05, 0.00
HSL	159°, 94%, 93%
HSV	159°, 13%, 100%
XYZ	80.9840, 92.5101, 97.5923
YIQ	242.4660, -16.4120, -10.9400

Conversions

Conversions Part 2

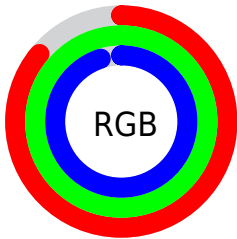
Format	Color
R _Y B	220, 241, 254
Decimal	14483186
CIE Lab	97.03, -13.18, 2.04
CIE LCh	97, 13.336, 171.186
Yxy	92.5101, 0.2987, 0.3413
Android (android.graphics.Color)	4292673266 (0xFFDCFEF2)
YUV	242.4660, -0.2297, -19.7027
Hunter-Lab	96.1822, -18.0244, 7.1683

Details

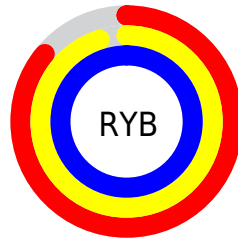
The XYZ color **80.9840, 92.5101, 97.5923** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.0350, 78.0858, 87.1491**, and the grayscale version is **84.7805, 89.1957, 97.1341**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3462, 51.4770, 54.0531** is the 20% darker color. If you saturate the color by 10%, you get **72.5593, 88.3214, 90.3405**, and if you desaturate by 10%, it is **90.6479, 97.3351, 105.2507**.

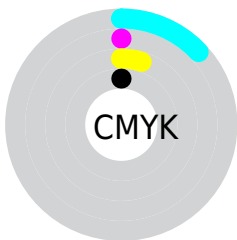
Distribution



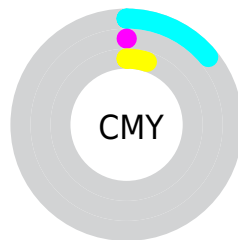
- Red (86%)
- Green (100%)
- Blue (95%)



- Red (86%)
- Yellow (95%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9840, 92.5101, 97.5923 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 80.9840, 92.5101, 97.5923 by changing the saturation by 10% instead.


 80.9840, 92.5101,
97.5923

 80.9840, 92.5101,
97.5923


486.9290,
536.1627, 573.6260

 60.8397, 70.0644,
73.6857


133.6916,
150.8202, 159.8674

 44.3478, 51.5790,
54.0416


166.9855,
187.4533, 199.0729

 31.1431, 36.6696,
38.2415

205.3934,
229.5844, 244.2152

 20.8602, 24.9518,
25.8669

249.2806,
277.5978, 295.7127

 13.1338, 16.0412,
16.4992

299.0123,
331.8780, 353.9840

 7.5983, 9.5533,
9.7199

354.9541,

 3.8887, 5.1038,

392.8093, 419.4476

5.1105

417.4712,
460.7760, 492.5221

■ 1.6393, 2.3083,
2.2524

■ 0.4178, 0.7781,
0.7043

■ 80.9840, 92.5101,
97.5923

■ 80.9840, 92.5101,
97.5923

■ 72.5593, 88.3214,
90.3405

■ 90.6479, 97.3351,
105.2507

■ 65.3127, 84.7299,
83.4818

94.7336, 99.3671,
108.7945

■ 59.1891, 81.7100,
77.0105

■ 54.1262, 79.2295,
70.9186

■ 50.0550, 77.2532,
65.1976

■ 46.8984, 75.7412,
59.8386

■ 44.5670, 74.6477,
54.8319

■ 42.9522, 73.9169,
50.1669

■ 42.1750, 73.5797,
47.2618

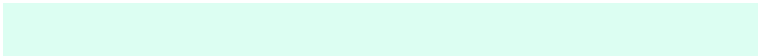
Harmonies

Analogous

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



82.4210, 92.5101, 88.3142



80.9840, 92.5101, 97.5923



81.3659, 92.5101, 108.3876

Triad

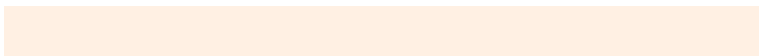
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9840, 92.5101, 97.5923



90.5635, 92.5101, 121.2659



92.5320, 92.5101, 85.4587

Complementary

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



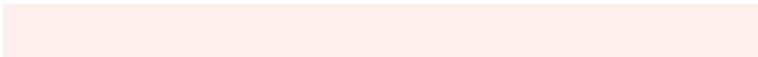
80.9840, 92.5101, 97.5923



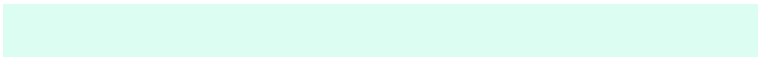
81.0350, 78.0858, 87.1491

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.



94.8340, 92.5101, 93.4376



80.9840, 92.5101, 97.5923



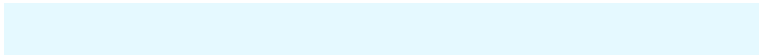
93.6751, 92.5101, 114.2533

Square

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



80.9840, 92.5101, 97.5923



86.8263, 92.5101, 122.5759



95.2582, 92.5101, 103.9297



89.0391, 92.5101, 81.6434

Rectangle

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



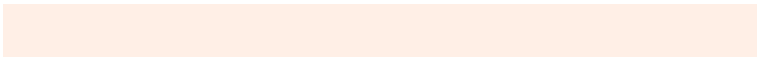
80.9840, 92.5101, 97.5923



82.6052, 92.5101, 114.9681



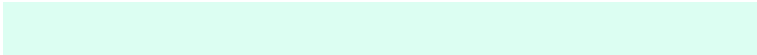
95.2582, 92.5101, 103.9297



93.4748, 92.5101, 87.7147

Sweetspot

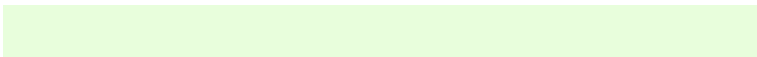
The Sweet Spot groups the original color and five complimentary colors.



80.9866, 92.5140, 97.5944



90.8221, 97.8868, 105.7043



81.7935, 93.2891, 81.4070



19.2744, 20.8693, 22.4980



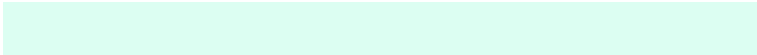
0.0000, 0.0000, 0.0000



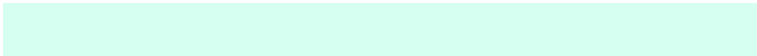
20.3446, 21.4041, 23.3091

Same Dimension

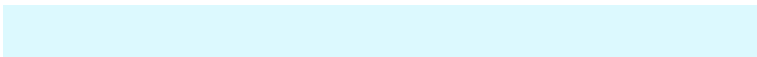
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9866, 92.5140, 97.5944



79.3670, 92.1731, 96.5120



81.4277, 90.4154, 106.9308



18.2666, 20.3662, 21.7069



22.3068, 38.8193, 25.2986



2.2239, 3.8005, 2.7367

Inverse Universe

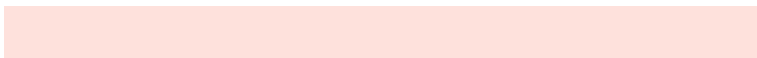
The Inverse Universe completely reimagines the original color for something new.



81.0350, 78.0858, 87.1491



79.4247, 75.0894, 84.1460



80.5934, 79.8390, 78.8742



18.2742, 18.0930, 20.0610



22.5774, 11.5202, 6.4250



2.2479, 1.1415, 0.8867

Previews

White Background



This preview shows how the XYZ color 80.9840, 92.5101, 97.5923 looks on a white background.

Color Contrast Check

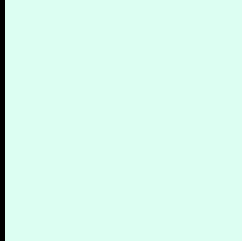
Large Text (above 18pt) WCAG AA × Fail

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 80.9840, 92.5101, 97.5923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

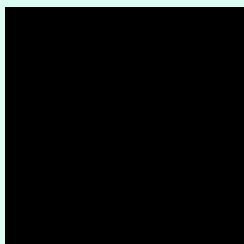
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

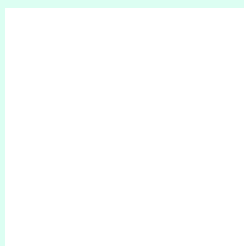
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9840, 92.5101, 97.5923

Background



This preview shows how black text looks on a background with the XYZ color 80.9840, 92.5101, 97.5923.



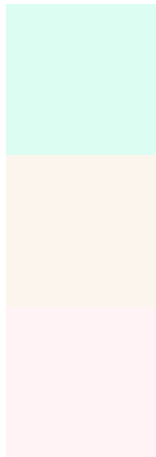
This preview shows how white text looks on a background with the XYZ color 80.9840, 92.5101,

97.5923.

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

80.9840, 92.5101, 97.5923

Protanopia

88.0834, 92.1147, 93.2582

Deuteranopia

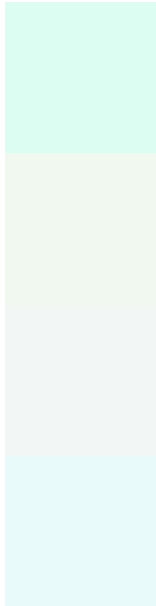
89.9251, 92.0150, 100.2099



Tritanopia

86.9074, 92.0923, 107.8028

Trichromacy



Original Color

80.9840, 92.5101, 97.5923

Protanomaly

85.0826, 91.8921, 94.9140

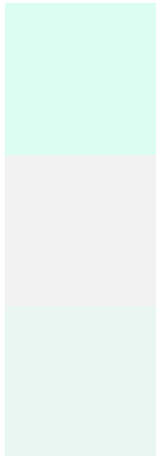
Deuteranomaly

86.3601, 91.9913, 99.5906

Tritanomaly

84.7196, 92.4291, 103.8179

Monochromacy



Original Color

80.9840, 92.5101, 97.5923

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

82.9145, 89.8148, 96.9703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9840, 92.5101, 97.5923 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(220, 254, 242)` looks like.

```
.text, #text, p{  
    color:rgb(220, 254, 242)  
}
```

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(220, 254, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 254, 242) }
```

Border

The CSS property to change the border of an element to XYZ 80.9840, 92.5101, 97.5923 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(220, 254, 242) }
```


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

```
.border{ border-color:rgb(220, 254, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 254, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 254, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 254, 242);  
box-shadow:4px 4px 4px 4px rgb(220, 254,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9840, 92.5101, 97.5923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 254, 242) }
```

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

```
.background{ background-color: rgb(220,  
254, 242) }
```

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