

Converting Colors

XYZ(76.3897, 88.7548, 94.8337)

Have a look what the booklet for
XYZ(76.3897, 88.7548, 94.8337)
contains.

XYZ(76.3717, 88.7817, 94.7727)	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(76.3717, 88.7817,
94.7727)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FBEF
RGB	209, 251, 239
RGB Percent	82%, 98%, 94%
CMY	0.1804, 0.0157, 0.0627
CMYK	0.17, 0.00, 0.05, 0.02
HSL	163°, 84%, 90%
HSV	163°, 17%, 98%
XYZ	76.3717, 88.7817, 94.7727
YIQ	237.0740, -21.1800, -12.6360

Conversions

Conversions Part 2

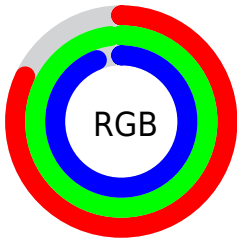
Format	Color
R_{YB}	209, 234, 251
Decimal	13761519
CIE _{Lab}	95.49, -15.72, 1.26
CIE _{LCh}	95, 15.770, 175.400
Yxy	88.7817, 0.2938, 0.3416
Android (android.graphics.Color)	4291951599 (0xFFD1FB EF)
YUV	237.0740, 0.9495, -24.6209
Hunter-Lab	94.2240, -20.2119, 6.3216

Details

The XYZ color **76.3717, 88.7817, 94.7727** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.6385, 71.3330, 78.1927**, and the grayscale version is **80.5600, 84.7553, 92.2986**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1655, 48.8725, 52.0634** is the 20% darker color. If you saturate the color by 10%, you get **68.7836, 84.9923, 88.9962**, and if you desaturate by 10%, it is **85.1257, 93.1721, 100.8270**.

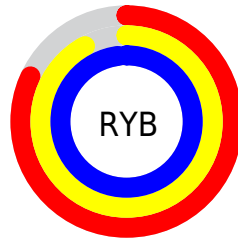
Distribution



Red (82%)

Green (98%)

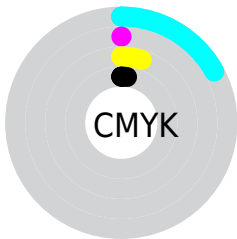
Blue (94%)



Red (82%)

Yellow (92%)

Blue (98%)

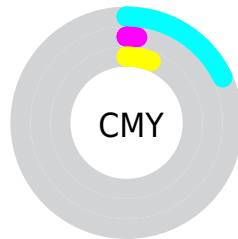


Cyan (17%)

Magenta (0%)

Yellow (5%)

Black (2%)



Cyan (18%)


Magenta (2%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.3717, 88.7817, 94.7727 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 76.3717, 88.7817, 94.7727 by changing the saturation by 10% instead.


 76.3717, 88.7817,
94.7727

 76.3717, 88.7817,
94.7727


471.5440,
524.0598, 564.4028

 57.0355, 66.9706,
71.3500


127.2297,
145.6450, 155.9434

 41.2740, 49.0608,
52.1443


159.4823,
181.4659, 194.5285

 28.7218, 34.6677,
36.7370

196.7710,
222.7257, 239.0047

 19.0137, 23.4070,
24.7098

239.4611,
269.8086, 289.7907

 11.7843, 14.8943,
15.6439

287.9182,
323.0991, 347.3050

 6.6681, 8.7453,
9.1209

342.5074,

 3.2999, 4.5754,

382.9815, 411.9661

4.7222

403.5943,
449.8403, 484.1925

■ 1.3143, 2.0004,
2.0294

■ 0.1939, 0.6077,
0.5732

■ 76.3717, 88.7817,
94.7727

■ 76.3717, 88.7817,
94.7727

■ 68.7836, 84.9923,
88.9962

■ 85.1257, 93.1721,
100.8270

■ 62.3012, 81.7657,
83.4867

■ 93.5240, 97.3717,
107.0849

■ 56.8699, 79.0763,
78.2409

■ 93.7888, 97.4777,
108.4796

■ 52.4278, 76.8921,
73.2533

■ 48.9061, 75.1778,
68.5181

■ 46.2266, 73.8930,
64.0288

■ 44.2981, 72.9909,
59.7784

■ 43.0054, 72.4121,
55.7588

■ 42.6632, 72.2634,
54.4928

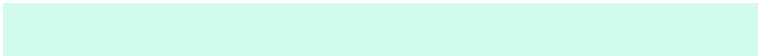
Harmonies

Analogous

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



77.7293, 88.7817, 83.7779



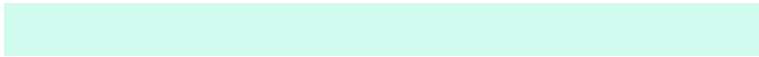
76.3717, 88.7817, 94.7727



77.1003, 88.7817, 107.2365

Triad

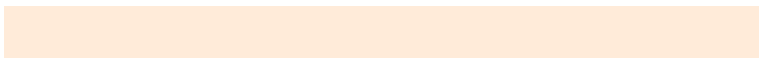
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.3717, 88.7817, 94.7727



87.9980, 88.7817, 119.7919



89.1900, 88.7817, 78.3772

Complementary

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



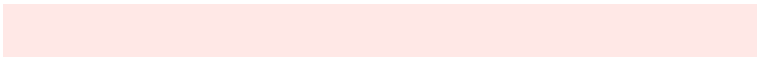
76.3717, 88.7817, 94.7727



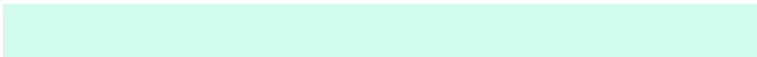
75.6385, 71.3330, 78.1927

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.



92.1133, 88.7817, 86.8180



76.3717, 88.7817, 94.7727



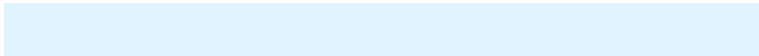
91.4088, 88.7817, 110.8171

Square

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



76.3717, 88.7817, 94.7727



83.7199, 88.7817, 122.3752



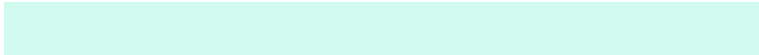
92.9387, 88.7817, 98.5888



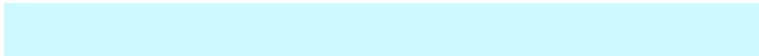
85.0523, 88.7817, 74.8397

Rectangle

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



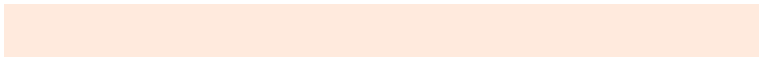
76.3717, 88.7817, 94.7727



78.6847, 88.7817, 114.6172



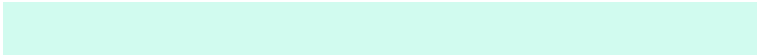
92.9387, 88.7817, 98.5888



90.3528, 88.7817, 80.6983

Sweetspot

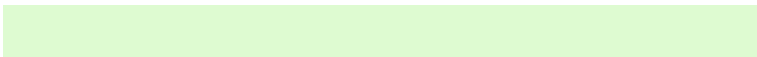
The Sweet Spot groups the original color and five complimentary colors.



76.3742, 88.7854, 94.7747



89.9327, 97.4290, 105.6273



76.0105, 89.0682, 73.5088



19.1008, 20.7793, 22.5114



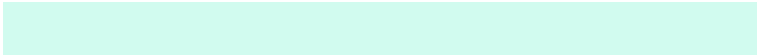
0.0000, 0.0000, 0.0000



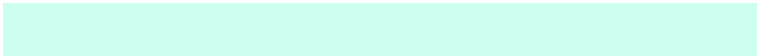
20.3446, 21.4041, 23.3091

Same Dimension

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



76.3742, 88.7854, 94.7747



76.4533, 90.6740, 96.2421



75.6410, 84.3858, 103.5725



17.5419, 19.5190, 21.0543



22.4904, 38.0092, 28.9894



2.1286, 3.5386, 2.9253

Inverse Universe

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



75.6385, 71.3330, 78.1927



75.5631, 69.5378, 76.1641



76.2113, 74.9474, 70.7726



17.4485, 17.3068, 18.9518



21.5760, 11.0461, 4.4759



2.0419, 1.0405, 0.6438

Previews

White Background



This preview shows how the XYZ color 76.3717, 88.7817, 94.7727 looks on a white background.

Color Contrast Check

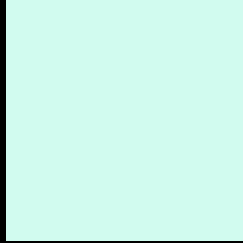
Large Text (above 18pt) WCAG AA × Fail

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 76.3717, 88.7817, 94.7727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

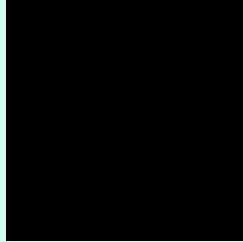
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

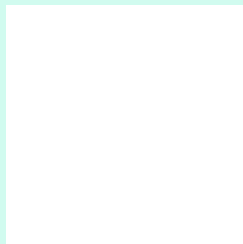
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.3717, 88.7817, 94.7727

Background



This preview shows how black text looks on a background with the XYZ color 76.3717, 88.7817, 94.7727.



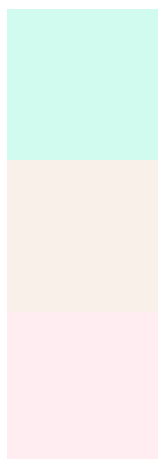
This preview shows how white text looks on a background with the XYZ color 76.3717, 88.7817,

94.7727.

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

76.3717, 88.7817, 94.7727

Protanopia

84.5795, 88.1598, 89.6495

Deuteranopia

87.5512, 88.2392, 96.4218



Tritanopia

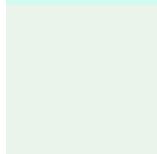
82.3956, 88.4153, 107.3309

Trichromacy



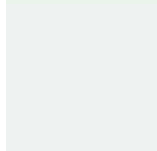
Original Color

76.3717, 88.7817, 94.7727



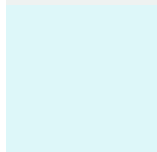
Protanomaly

81.2778, 88.1920, 91.3362



Deuteranomaly

82.8892, 88.0323, 95.8423



Tritanomaly

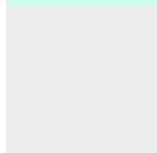
80.1784, 88.7332, 102.5239

Monochromacy



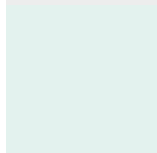
Original Color

76.3717, 88.7817, 94.7727



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.8633, 86.0082, 93.3336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3717, 88.7817, 94.7727 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(209, 251, 239)` looks like.

```
.text, #text, p{  
    color:rgb(209, 251, 239)  
}
```

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(209, 251, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 251, 239) }
```

Border

The CSS property to change the border of an element to XYZ 76.3717, 88.7817, 94.7727 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(209, 251, 239) }
```


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

```
.border{ border-color:rgb(209, 251, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 251, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 251, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 251, 239);  
box-shadow:4px 4px 4px 4px rgb(209, 251,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3717, 88.7817, 94.7727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 251, 239) }
```

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

```
.background{ background-color: rgb(209,  
251, 239) }
```

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