

Converting Colors

XYZ(76.0002, 86.1793, 99.8170)

Have a look what the booklet for
XYZ(76.0002, 86.1793, 99.8170)
contains.

XYZ(75.8848, 86.1207, 99.8122)	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(75.8848, 86.1207,
99.8122)**

Conversions

Conversions Part 1

Format	Color
Hex	D1F6F6
RGB	209, 246, 246
RGB Percent	82%, 96%, 96%
CMY	0.1804, 0.0353, 0.0353
CMYK	0.15, 0.00, 0.00, 0.04
HSL	180°, 67%, 89%
HSV	180°, 15%, 96%
XYZ	75.8848, 86.1207, 99.8122
YIQ	234.9370, -22.0520, -7.8440

Conversions

Conversions Part 2

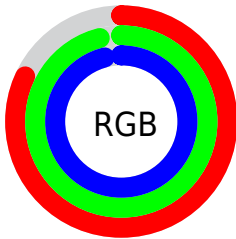
Format	Color
R _{YB}	209, 228, 246
Decimal	13760246
CIE Lab	94.36, -11.86, -4.00
CIE LCh	94, 12.516, 198.647
Yxy	86.1207, 0.2898, 0.3289
Android (android.graphics.Color)	4291950326 (0xFFD1F6F6)
YUV	234.9370, 5.4541, -22.7467
Hunter-Lab	92.8012, -16.4404, 1.1916

Details

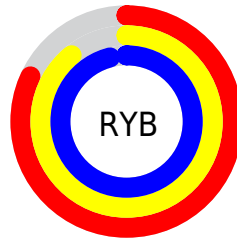
The XYZ color **75.8848, 86.1207, 99.8122** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.3182, 69.7995, 69.9864**, and the grayscale version is **78.8916, 83.0001, 90.3871**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0341, 47.4146, 55.7044** is the 20% darker color. If you saturate the color by 10%, you get **69.4553, 82.8085, 99.5113**, and if you desaturate by 10%, it is **83.3939, 89.9940, 100.1673**.

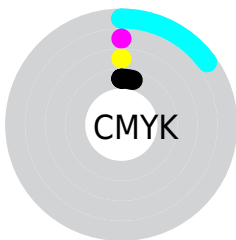
Distribution



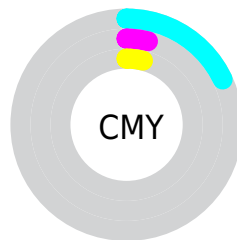
- Red (82%)
- Green (96%)
- Blue (96%)



- Red (82%)
- Yellow (89%)
- Blue (96%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (18%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8848, 86.1207, 99.8122 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 75.8848, 86.1207, 99.8122 by changing the saturation by 10% instead.

75.8848, 86.1207,
99.8122

75.8848, 86.1207,
99.8122

469.9037,
515.3291, 580.8319

56.6348, 64.7678,
75.5277

126.5453,
141.9379, 162.9487

40.9511, 47.2728,
55.5410

158.6864,
177.1710, 202.6378

28.4684, 33.2514,
39.4335

195.8554,
217.7996, 248.2988

18.8213, 22.3191,
26.7867

238.4174,
264.2081, 300.3503

11.6444, 14.0915,
17.1821

286.7379,
316.7809, 359.2108

6.5725, 8.1844,
10.2011

341.1822,

3.2402, 4.2131,

375.9024, 425.2989

5.4251

402.1157,
441.9570, 499.0331

■ 1.2820, 1.7935,
2.4357

■ 0.1697, 0.4831,
0.8058

■ 75.8848, 86.1207,
99.8122

■ 75.8848, 86.1207,
99.8122

■ 69.4553, 82.8085,
99.5113

■ 83.3939, 89.9940,
100.1673

■ 64.0489, 80.0215,
99.2564

■ 90.8329, 93.8289,
100.5173

■ 59.6151, 77.7358,
99.0470

■ 90.8332, 93.8291,
100.5192

■ 56.0961, 75.9217,
98.8805

■ 90.8336, 93.8292,
100.5211

■ 53.4281, 74.5463,
98.7537

■ 90.8340, 93.8294,
100.5229

■ 51.5392, 73.5726,
98.6635

■ 90.8343, 93.8295,
100.5248

■ 50.3454, 72.9572,
98.6057

■ 90.8347, 93.8296,
100.5267

■ 49.7437, 72.6471,
98.5757

■ 90.8350, 93.8298,
100.5286

■ 49.5891, 72.5674,
98.5676

■ 90.8354, 93.8299,
100.5305

Harmonies

Analogous

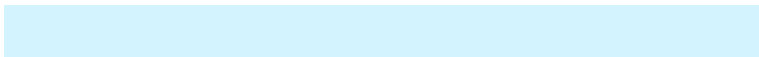
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6827, 86.1207, 90.1752



75.8848, 86.1207, 99.8122



77.6603, 86.1207, 108.3574

Triad

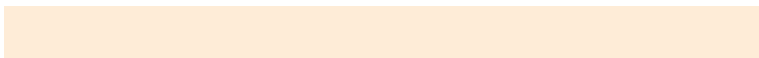
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8848, 86.1207, 99.8122



86.8014, 86.1207, 106.5349



83.1336, 86.1207, 76.7743

Complementary

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



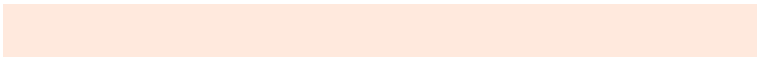
75.8848, 86.1207, 99.8122



72.3182, 69.7995, 69.9864

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.



86.1984, 86.1207, 80.5558



75.8848, 86.1207, 99.8122



88.3543, 86.1207, 97.4607

Square

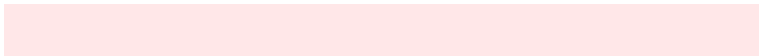
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8848, 86.1207, 99.8122



83.9383, 86.1207, 112.4182



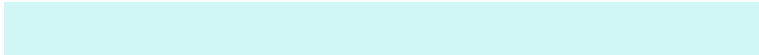
88.1307, 86.1207, 87.9782



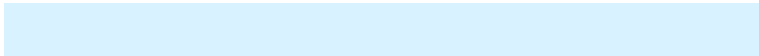
79.8067, 86.1207, 77.3087

Rectangle

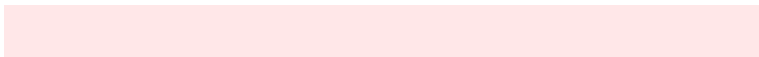
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



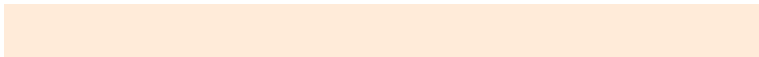
75.8848, 86.1207, 99.8122



79.5251, 86.1207, 112.0812



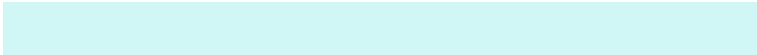
88.1307, 86.1207, 87.9782



84.2302, 86.1207, 77.5718

Sweetspot

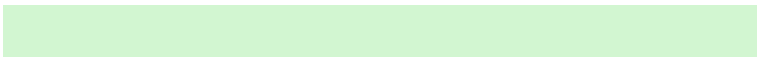
The Sweet Spot groups the original color and five complimentary colors.



75.8873, 86.1243, 99.8141



90.5136, 97.6614, 108.6867



70.9362, 84.1640, 72.8296



19.2424, 20.8359, 23.2573



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

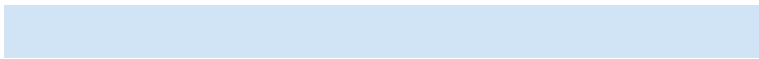
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8873, 86.1243, 99.8141



80.1321, 92.3096, 108.1982



70.7070, 75.7629, 98.0900



16.9967, 18.7578, 21.2670



26.4675, 38.7319, 52.6092



2.3263, 3.4042, 4.6239

Inverse Universe

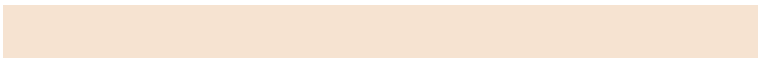
The Inverse Universe completely reimagines the original color for something new.



72.3182, 69.7995, 69.9864



75.5866, 71.5186, 70.2100



76.9549, 79.0737, 71.5298



16.4993, 16.4826, 17.1097



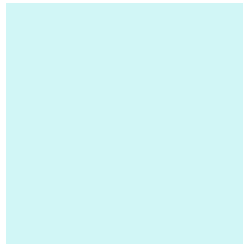
20.2863, 10.4579, 0.9499



1.7830, 0.9192, 0.0836

Previews

White Background



This preview shows how the XYZ color 75.8848, 86.1207, 99.8122 looks on a white background.

Color Contrast Check

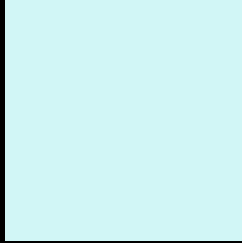
Large Text (above 18pt) WCAG AA × Fail

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 75.8848, 86.1207, 99.8122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

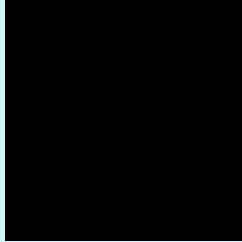
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.8848, 86.1207, 99.8122

Background



This preview shows how black text looks on a background with the XYZ color 75.8848, 86.1207, 99.8122.



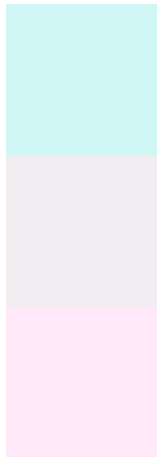
This preview shows how white text looks on a background with the XYZ color 75.8848, 86.1207,

99.8122.

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

75.8848, 86.1207, 99.8122

Protanopia

82.7793, 85.7965, 95.4165

Deuteranopia

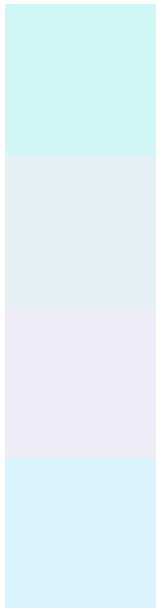
87.0399, 85.7505, 100.7709



Tritanopia

79.6209, 86.0964, 107.0295

Trichromacy



Original Color

75.8848, 86.1207, 99.8122

Protanomaly

79.9709, 85.6142, 97.1043

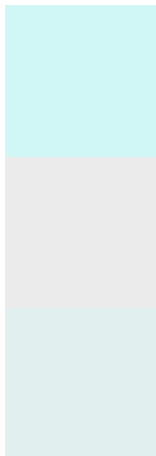
Deuteranomaly

82.3326, 85.4609, 100.1519

Tritanomaly

78.2366, 85.8812, 104.5487

Monochromacy



Original Color

75.8848, 86.1207, 99.8122

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

77.8105, 84.1337, 93.7997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8848, 86.1207, 99.8122 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, 246, 246)` looks like.

```
.text, #text, p{  
    color:rgb(209, 246, 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(209, 246, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 246, 246) }
```

Border

The CSS property to change the border of an element to XYZ 75.8848, 86.1207, 99.8122 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, 246, 246) }
```


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

```
.border{ border-color:rgb(209, 246, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 246, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 246, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 246, 246);  
box-shadow:4px 4px 4px 4px rgb(209, 246,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8848, 86.1207, 99.8122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 246, 246) }
```

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

```
.background{ background-color: rgb(209,  
246, 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