

Converting Colors

XYZ(76.8015, 86.6197, 98.6579)

Have a look what the booklet for
XYZ(76.8015, 86.6197, 98.6579)
contains.

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Color

**XYZ(76.8778, 86.6502,
99.0595)**

Conversions

Conversions Part 1

Format	Color
Hex	D5F6F5
RGB	213, 246, 245
RGB Percent	84%, 96%, 96%
CMY	0.1647, 0.0353, 0.0392
CMYK	0.13, 0.00, 0.00, 0.04
HSL	178°, 65%, 90%
HSV	178°, 13%, 96%
XYZ	76.8778, 86.6502, 99.0595
YIQ	236.0190, -19.3470, -7.3070

Conversions

Conversions Part 2

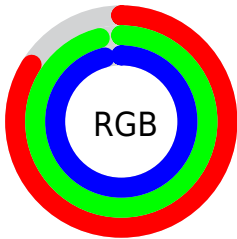
Format	Color
R _{YB}	213, 230, 246
Decimal	14022389
CIE _{Lab}	94.59, -10.82, -3.12
CIE _{LCh}	95, 11.259, 196.103
Yxy	86.6502, 0.2928, 0.3300
Android (android.graphics.Color)	4292212469 (0xFFD5F6F5)
YUV	236.0190, 4.4276, -20.1877
Hunter-Lab	93.0861, -15.4813, 2.0656

Details

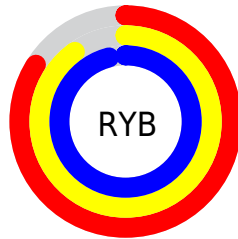
The XYZ color **76.8778, 86.6502, 99.0595** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.9410, 72.0388, 73.6300**, and the grayscale version is **79.7232, 83.8750, 91.3399**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6993, 47.7701, 55.1669** is the 20% darker color. If you saturate the color by 10%, you get **70.1632, 83.2042, 98.1522**, and if you desaturate by 10%, it is **84.6802, 90.6616, 100.0238**.

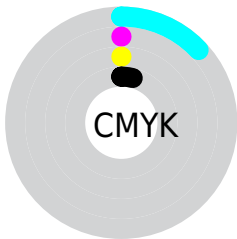
Distribution



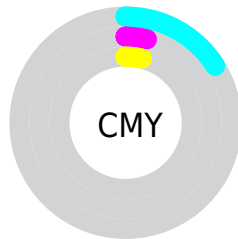
- Red (84%)
- Green (96%)
- Blue (96%)



- Red (84%)
- Yellow (90%)
- Blue (96%)



- Cyan (13%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (16%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8778, 86.6502, 99.0595 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 76.8778, 86.6502, 99.0595 by changing the saturation by 10% instead.

76.8778, 86.6502,
99.0595

76.8778, 86.6502,
99.0595

473.2456,
517.0727, 578.3940

57.4522, 65.2058,
74.9028

127.9407,
142.6765, 161.9047

41.6099, 47.6279,
55.0320

160.3087,
178.0271, 201.4303

28.9857, 33.5323,
39.0286

197.7216,
218.7819, 246.9160

19.2143, 22.5346,
26.4740

240.5446,
265.3254, 298.7802

11.9301, 14.2502,
16.9496

289.1431,
318.0417, 357.4416

6.7680, 8.2949,
10.0370

343.8826,

3.3625, 4.2842,

377.3155, 423.3187

5.3176

405.1283,
443.5310, 496.8300

■ 1.3482, 1.8338,
2.3728

■ 0.2189, 0.5081,
0.7716

■ 76.8778, 86.6502,
99.0595

■ 76.8778, 86.6502,
99.0595

■ 70.1632, 83.2042,
98.1522

■ 84.6802, 90.6616,
100.0238

■ 64.4804, 80.2877,
97.2938

■ 90.9084, 93.8590,
100.9149

■ 59.7795, 77.8774,
96.4837

■ 91.0237, 93.9052,
101.5225

■ 56.0036, 75.9438,
95.7193

■ 91.1396, 93.9515,
102.1324

53.0902, 74.4548,
94.9977

91.2559, 93.9980,
102.7448

50.9685, 73.3740,
94.3155

91.3726, 94.0447,
103.3597

49.5573, 72.6593,
93.6690

91.4898, 94.0916,
103.9770

48.7571, 72.2596,
93.0535

91.6075, 94.1387,
104.5967

48.4674, 72.1186,
92.6606

91.7257, 94.1860,
105.2189

Harmonies

Analogous

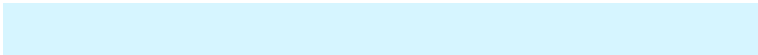
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8223, 86.6502, 90.3899



76.8778, 86.6502, 99.0595



78.3780, 86.6502, 106.9107

Triad

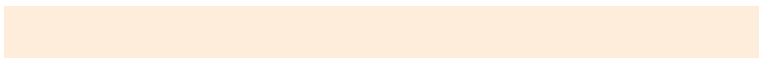
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8778, 86.6502, 99.0595



86.6357, 86.6502, 106.4168



83.7680, 86.6502, 79.0353

Complementary

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



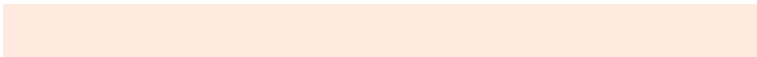
76.8778, 86.6502, 99.0595



73.9410, 72.0388, 73.6300

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.



86.4714, 86.6502, 82.8089



76.8778, 86.6502, 99.0595



88.1544, 86.6502, 98.4187

Square

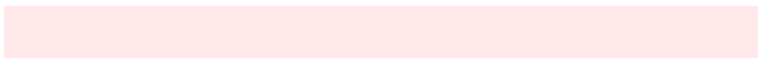
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8778, 86.6502, 99.0595



83.9877, 86.6502, 111.3333



88.0935, 86.6502, 89.7870



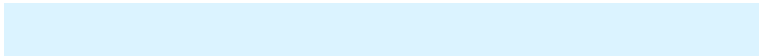
80.7503, 86.6502, 79.1834

Rectangle

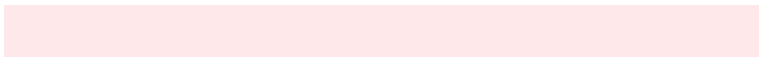
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



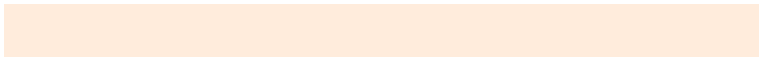
76.8778, 86.6502, 99.0595



80.0169, 86.6502, 110.4679



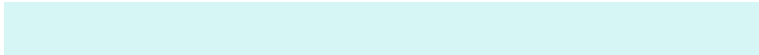
88.0935, 86.6502, 89.7870



84.7452, 86.6502, 79.8767

Sweetspot

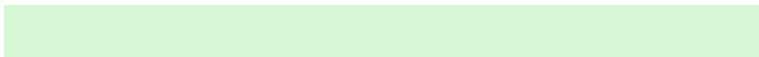
The Sweet Spot groups the original color and five complimentary colors.



76.8803, 86.6538, 99.0614



91.3466, 98.0966, 108.4663



72.7294, 85.0304, 75.5317



19.4076, 20.9225, 23.1990



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.



76.8803, 86.6538, 99.0614



81.4009, 92.9866, 107.2221



72.5418, 77.7309, 98.3731



16.9737, 18.7486, 21.1456



25.8788, 38.4964, 49.5092



2.2812, 3.3862, 4.3869

Inverse Universe

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



73.9410, 72.0388, 73.6300



77.6596, 74.3834, 74.8514



77.8730, 80.1071, 74.3103



16.5196, 16.4907, 17.2166



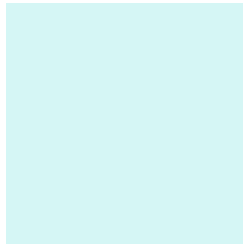
20.3172, 10.4703, 1.1126



1.7927, 0.9231, 0.1349

Previews

White Background



This preview shows how the XYZ color 76.8778, 86.6502, 99.0595 looks on a white background.

Color Contrast Check

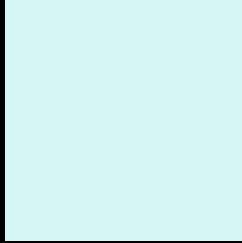
Large Text (above 18pt) WCAG AA × Fail

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 76.8778, 86.6502, 99.0595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

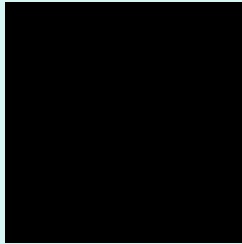
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

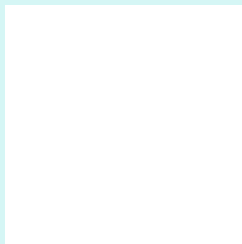
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8778, 86.6502, 99.0595

Background



This preview shows how black text looks on a background with the XYZ color 76.8778, 86.6502, 99.0595.



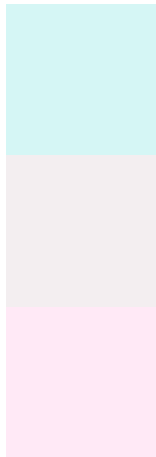
This preview shows how white text looks on a background with the XYZ color 76.8778, 86.6502,

99.0595.

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

76.8778, 86.6502, 99.0595

Protanopia

83.2649, 86.4950, 94.7448

Deuteranopia

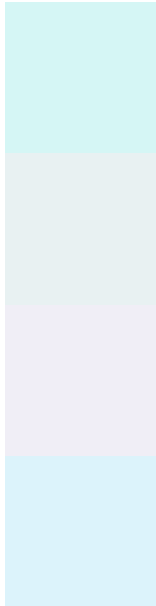
87.0135, 86.1916, 99.2393



Tritanopia

80.5426, 86.5716, 107.0727

Trichromacy



Original Color

76.8778, 86.6502, 99.0595

Protanomaly

80.7610, 86.4772, 96.4396

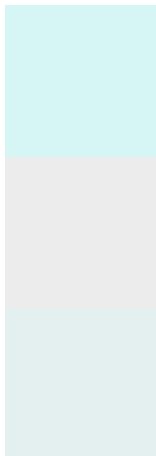
Deuteranomaly

83.1443, 86.3282, 99.4696

Tritanomaly

78.9784, 86.2819, 103.7582

Monochromacy



Original Color

76.8778, 86.6502, 99.0595

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.7350, 85.0462, 93.9271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8778, 86.6502, 99.0595 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(213, 246, 245) looks like.

```
.text, #text, p{  
    color:rgb(213, 246, 245)  
}
```

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(213, 246, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 246, 245) }
```

Border

The CSS property to change the border of an element to XYZ 76.8778, 86.6502, 99.0595 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(213, 246, 245) }
```


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

```
.border{ border-color:rgb(213, 246, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 246, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 246, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 246, 245);  
box-shadow:4px 4px 4px 4px rgb(213, 246,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8778, 86.6502, 99.0595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 246, 245) }
```

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

```
.background{ background-color: rgb(213,  
246, 245) }
```

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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