

Converting Colors

XYZ(75.6521, 81.1703,
100.3732)

Have a look what the booklet for
XYZ(75.6521, 81.1703, 100.3732)
contains.

XYZ(75.5651, 81.0994, 100.4780)	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(75.5651, 81.0994,
100.4780)**

Conversions

Conversions Part 1

Format	Color
Hex	DAEBF8
RGB	218, 235, 248
RGB Percent	85%, 92%, 97%
CMY	0.1451, 0.0784, 0.0274
CMYK	0.12, 0.05, 0.00, 0.03
HSL	206°, 68%, 91%
HSV	206°, 12%, 97%
XYZ	75.5651, 81.0994, 100.4780
YIQ	231.3990, -14.3050, 0.4390

Conversions

Conversions Part 2

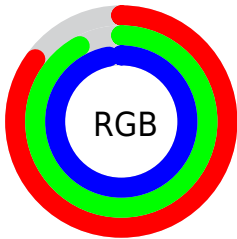
Format	Color
R _Y B	218, 229, 248
Decimal	14347256
CIE Lab	92.18, -3.08, -8.21
CIE LCh	92, 8.764, 249.425
Yxy	81.0994, 0.2939, 0.3154
Android (android.graphics.Color)	4292537336 (0xFFDAEBF8)
YUV	231.3990, 8.1843, -11.7509
Hunter-Lab	90.0552, -7.8177, -3.1135

Details

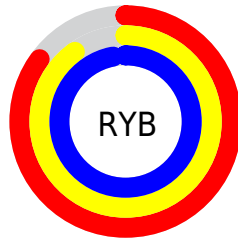
The XYZ color **75.5651, 81.0994, 100.4780** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.9428, 82.1700, 77.9783**, and the grayscale version is **76.2034, 80.1719, 87.3072**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7388, 43.8325, 56.1825** is the 20% darker color. If you saturate the color by 10%, you get **65.7133, 71.5932, 99.1636**, and if you desaturate by 10%, it is **86.7171, 91.5561, 101.9098**.

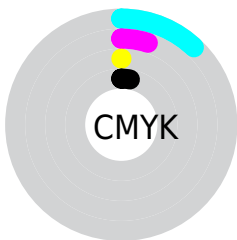
Distribution



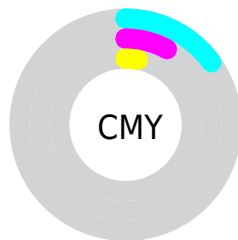
- Red (85%)
- Green (92%)
- Blue (97%)



- Red (85%)
- Yellow (90%)
- Blue (97%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (3%)



- Cyan (15%)
- Magenta (8%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.5651, 81.0994, 100.4780 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 75.5651, 81.0994, 100.4780 by changing the saturation by 10% instead.

■ 75.5651, 81.0994,
100.4780

■ 75.5651, 81.0994,
100.4780

468.8250,
498.6302, 582.9839

■ 56.3718, 60.6235,
76.0807

126.0956,
134.9103, 163.8715

■ 40.7392, 43.9214,
55.9916

158.1635,
169.0141, 203.7048

■ 28.3022, 30.6087,
39.7923

195.2536,
208.4293, 249.5205

■ 18.6952, 20.3011,
27.0641

237.7313,
253.5403, 301.7371

■ 11.5529, 12.6141,
17.3885

285.9619,
304.7315, 360.7732

■ 6.5101, 7.1633,
10.3470

340.3108,

■ 3.2012, 3.5645,

362.3873, 427.0474

5.5210

401.1434,
426.8921, 500.9781

■ 1.2610, 1.4330,
2.4920

■ 0.1538, 0.2409,
0.8359

■ 75.5651, 81.0994,
100.4780

■ 75.5651, 81.0994,
100.4780

■ 65.7133, 71.5932,
99.1636

■ 86.7171, 91.5561,
101.9098

■ 57.1022, 62.9954,
97.9579

■ 93.9435, 99.5574,
103.0734

■ 49.6780, 55.2755,
96.8592

■ 43.3800, 48.3972,
95.8634

■ 38.1416, 42.3207,
94.9667

■ 33.8883, 37.0024,
94.1643

■ 30.5350, 32.3928,
93.4513

■ 27.9796, 28.4333,
92.8217

■ 26.4037, 25.6977,
92.3768

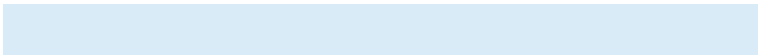
Harmonies

Analogous

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



73.7735, 81.0994, 96.4473



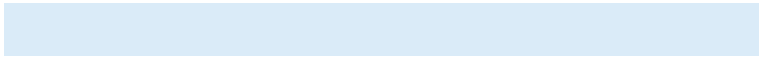
75.5651, 81.0994, 100.4780



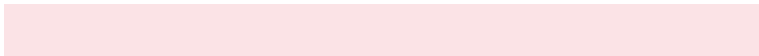
77.7965, 81.0994, 101.1618

Triad

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



75.5651, 81.0994, 100.4780



81.4505, 81.0994, 86.2805



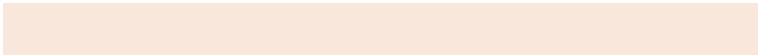
74.3550, 81.0994, 79.0325

Complementary

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



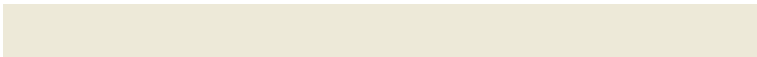
75.5651, 81.0994, 100.4780



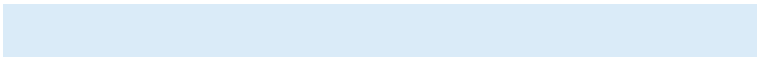
79.9428, 82.1700, 77.9783

Split Complementary

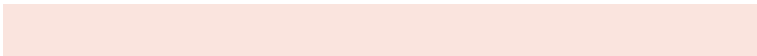
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.3729, 81.0994, 76.5837



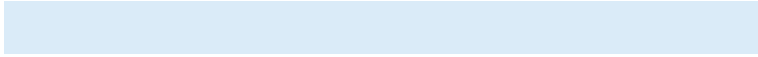
75.5651, 81.0994, 100.4780



80.4891, 81.0994, 80.6315

Square

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



75.5651, 81.0994, 100.4780



81.2239, 81.0994, 92.7508



78.6202, 81.0994, 77.1543



73.0844, 81.0994, 84.0006

Rectangle

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



75.5651, 81.0994, 100.4780



79.2378, 81.0994, 99.5957



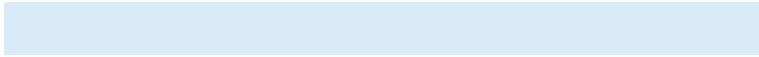
78.6202, 81.0994, 77.1543



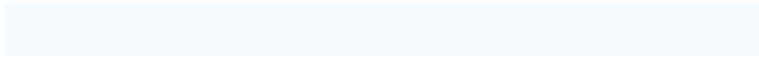
74.9668, 81.0994, 77.8987

Sweetspot

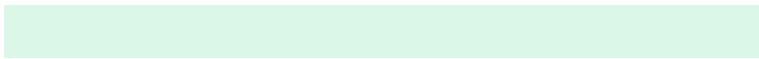
The Sweet Spot groups the original color and five complimentary colors.



75.5675, 81.1028, 100.4798



90.0029, 95.3294, 108.2645



76.8356, 87.7830, 88.1273



19.0666, 20.2204, 23.1480



0.0000, 0.0000, 0.0000



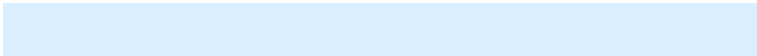
20.3446, 21.4041, 23.3091

Same Dimension

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



75.5675, 81.1028, 100.4798



77.2906, 83.3326, 106.6189



71.5829, 73.1337, 99.1516



17.0995, 18.2759, 22.0116



14.4052, 14.1660, 49.9486



1.4396, 1.5228, 4.6612

Inverse Universe

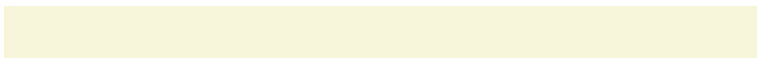
The Inverse Universe completely reimagines the original color for something new.



78.7801, 76.0993, 89.1376



81.4842, 76.9552, 91.7789



84.1716, 90.6276, 79.3879



17.6568, 17.3901, 20.0483



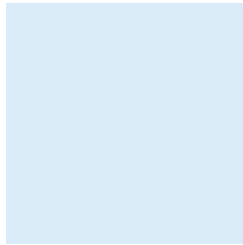
23.5631, 11.8410, 14.9397



2.2355, 1.1180, 1.6638

Previews

White Background



This preview shows how the XYZ color 75.5651, 81.0994, 100.4780 looks on a white background.

Color Contrast Check

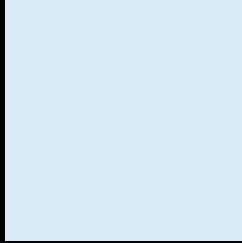
Large Text (above 18pt) WCAG AA × Fail

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 75.5651, 81.0994, 100.4780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

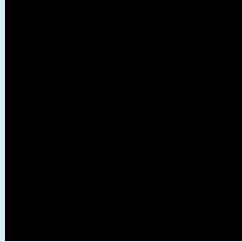
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

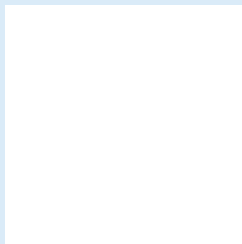
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.5651, 81.0994, 100.4780

Background



This preview shows how black text looks on a background with the XYZ color 75.5651, 81.0994, 100.4780.



This preview shows how white text looks on a background with the XYZ color 75.5651, 81.0994,

100.4780.

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

75.5651, 81.0994, 100.4780

Protanopia

78.8147, 81.1293, 98.6943

Deuteranopia

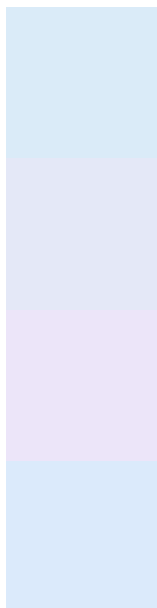
82.8094, 81.0690, 101.7258



Tritanopia

76.3659, 80.9976, 104.5377

Trichromacy



Original Color

75.5651, 81.0994, 100.4780

Protanomaly

77.6400, 80.9226, 99.5232

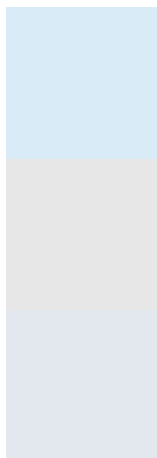
Deuteranomaly

79.7103, 80.7110, 101.0001

Tritanomaly

76.0488, 80.8707, 102.8682

Monochromacy



Original Color

75.5651, 81.0994, 100.4780

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.5067, 79.9964, 91.5820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.5651, 81.0994, 100.4780 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(218, 235, 248)` looks like.

```
.text, #text, p{  
    color:rgb(218, 235, 248)  
}
```

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(218, 235, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 235, 248) }
```

Border

The CSS property to change the border of an element to XYZ 75.5651, 81.0994, 100.4780 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(218, 235, 248) }
```


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

```
.border{ border-color:rgb(218, 235, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 235, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 235, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 235, 248);  
box-shadow:4px 4px 4px 4px rgb(218, 235,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 75.5651, 81.0994, 100.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 235, 248) }
```

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

```
.background{ background-color: rgb(218,  
235, 248) }
```

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