

Converting Colors

XYZ(76.9132, 83.4562,
103.0361)

Have a look what the booklet for
XYZ(76.9132, 83.4562, 103.0361)
contains.

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Color

**XYZ(76.8944, 83.4498,
103.3214)**

Conversions

Conversions Part 1

Format	Color
Hex	D9EFFB
RGB	217, 239, 251
RGB Percent	85%, 94%, 98%
CMY	0.1490, 0.0627, 0.0157
CMYK	0.14, 0.05, 0.00, 0.02
HSL	201°, 81%, 92%
HSV	201°, 14%, 98%
XYZ	76.8944, 83.4498, 103.3214
YIQ	233.7900, -16.9640, -0.9320

Conversions

Conversions Part 2

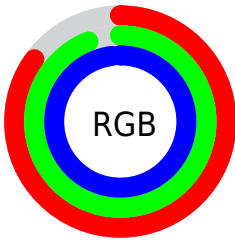
Format	Color
R_{YB}	217, 230, 251
Decimal	14282747
CIE _{Lab}	93.21, -4.84, -8.24
CIE _{LCh}	93, 9.557, 239.565
Yxy	83.4498, 0.2916, 0.3165
Android (android.graphics.Color)	4292472827 (0xFFD9E _{FFB})
YUV	233.7900, 8.4845, -14.7248
Hunter-Lab	91.3509, -9.6120, -3.1137

Details

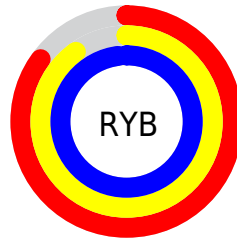
The XYZ color **76.8944, 83.4498, 103.3214** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.3279, 81.5573, 77.1557**, and the grayscale version is **77.9971, 82.0590, 89.3622**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6841, 45.4885, 58.2129** is the 20% darker color. If you saturate the color by 10%, you get **67.4646, 74.8353, 102.1570**, and if you desaturate by 10%, it is **87.5909, 92.9103, 104.5850**.

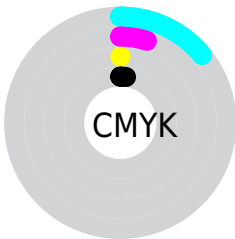
Distribution



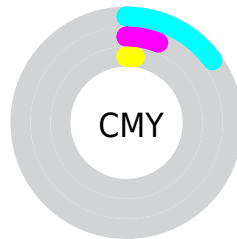
- Red (85%)
- Green (94%)
- Blue (98%)



- Red (85%)
- Yellow (90%)
- Blue (98%)



- Cyan (14%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (15%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.8944, 83.4498, 103.3214 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 76.8944, 83.4498, 103.3214 by changing the saturation by 10% instead.

■ 76.8944, 83.4498,
103.3214

■ 76.8944, 83.4498,
103.3214

473.3014,
506.4844, 592.1271

■ 57.4658, 62.5613,
78.4450

127.9640,
138.2053, 167.8057

■ 41.6210, 45.4864,
57.9210

160.3358,
172.8410, 208.2506

■ 28.9944, 31.8407,
41.3308

197.7527,
212.8279, 254.7221

■ 19.2209, 21.2399,
28.2560

240.5801,
258.5505, 307.6387

■ 11.9349, 13.2994,
18.2780

289.1833,
310.3930, 367.4189

■ 6.7713, 7.6351,
10.9783

343.9277,

■ 3.3645, 3.8623,

368.7399, 434.4814

5.9382

405.1786,
433.9755, 509.2446

■ 1.3493, 1.5969,
2.7394

■ 0.2197, 0.3555,
0.9632

■ 76.8944, 83.4498,
103.3214

■ 76.8944, 83.4498,
103.3214

■ 67.4646, 74.8353,
102.1570

■ 87.5909, 92.9103,
104.5850

■ 59.2411, 67.0265,
101.0831

■ 94.4128, 99.7451,
105.5447

■ 52.1697, 59.9948,
100.0986

■ 46.1886, 53.7057,
99.1999

■ 41.2300, 48.1212,
98.3833

■ 37.2176, 43.1991,
97.6448

■ 34.0635, 38.8912,
96.9795

■ 31.6611, 35.1392,
96.3819

■ 30.4104, 32.9602,
96.0272

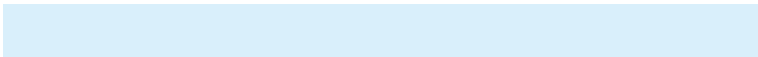
Harmonies

Analogous

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



75.1883, 83.4498, 97.8616



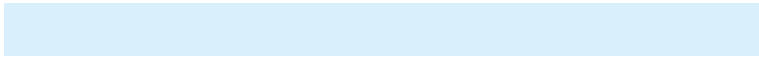
76.8944, 83.4498, 103.3214



79.2798, 83.4498, 105.4119

Triad

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



76.8944, 83.4498, 103.3214



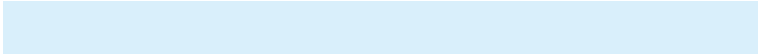
84.2461, 83.4498, 90.9678



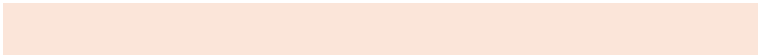
76.9567, 83.4498, 79.3519

Complementary

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



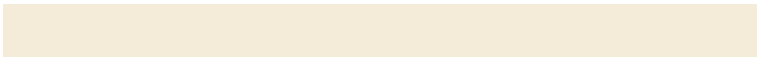
76.8944, 83.4498, 103.3214



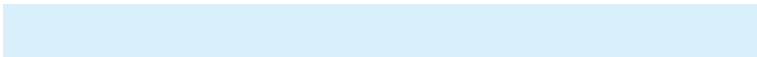
80.3279, 81.5573, 77.1557

Split Complementary

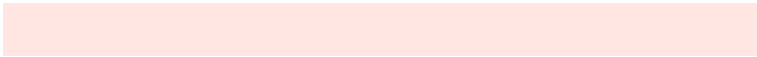
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.3532, 83.4498, 77.7178



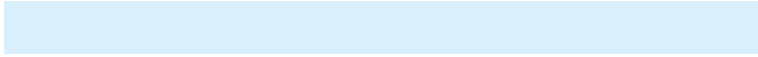
76.8944, 83.4498, 103.3214



83.5932, 83.4498, 84.2056

Square

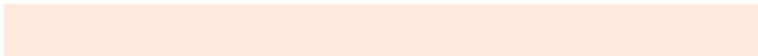
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8944, 83.4498, 103.3214



83.5552, 83.4498, 98.0530



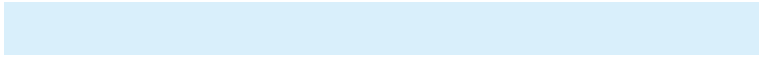
81.7890, 83.4498, 79.4480



75.2237, 83.4498, 84.0327

Rectangle

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



76.8944, 83.4498, 103.3214



80.9453, 83.4498, 104.5329



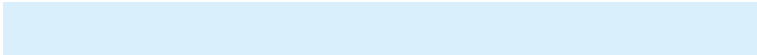
81.7890, 83.4498, 79.4480



77.7097, 83.4498, 78.4394

Sweetspot

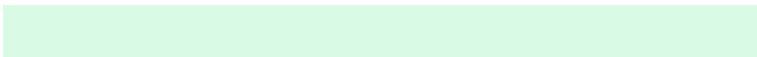
The Sweet Spot groups the original color and five complimentary colors.



76.8968, 83.4533, 103.3233



90.2590, 95.8417, 108.3499



77.2428, 89.3991, 87.2417



19.1315, 20.3501, 23.1696



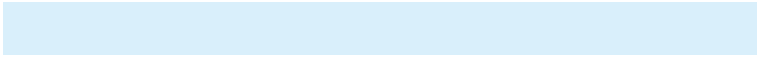
0.0000, 0.0000, 0.0000



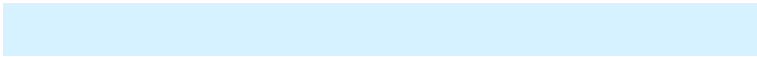
20.3446, 21.4041, 23.3091

Same Dimension

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



76.8968, 83.4533, 103.3233



77.1782, 84.2227, 106.7966



72.1773, 74.0141, 101.7501



17.2204, 18.5176, 22.0519



16.1269, 17.6093, 50.5225



1.5933, 1.8302, 4.7125

Inverse Universe

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



80.1785, 76.3688, 92.1802



81.1553, 75.7817, 93.2593



85.2348, 91.3711, 78.7913



17.7178, 17.4145, 20.3695



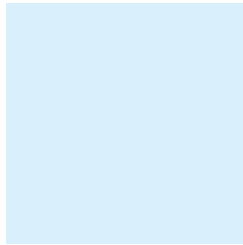
24.4321, 12.1886, 19.5158



2.3131, 1.1490, 2.0724

Previews

White Background



This preview shows how the XYZ color 76.8944, 83.4498, 103.3214 looks on a white background.

Color Contrast Check

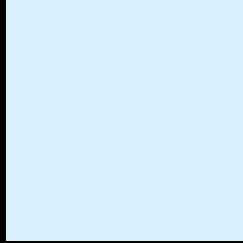
Large Text (above 18pt) WCAG AA × Fail

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 76.8944, 83.4498, 103.3214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

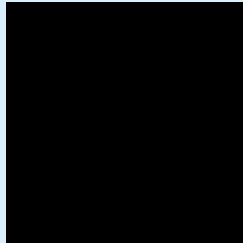
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

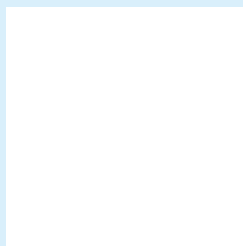
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8944, 83.4498, 103.3214

Background



This preview shows how black text looks on a background with the XYZ color 76.8944, 83.4498, 103.3214.



This preview shows how white text looks on a background with the XYZ color 76.8944, 83.4498,

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

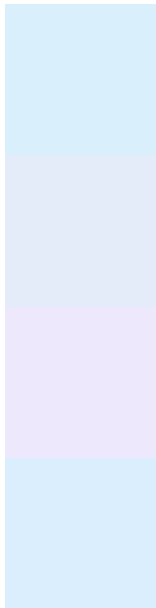




Tritanopia

78.1397, 83.5847, 106.6228

Trichromacy



Original Color

76.8944, 83.4498, 103.3214

Protanomaly

79.4074, 83.4885, 101.5522

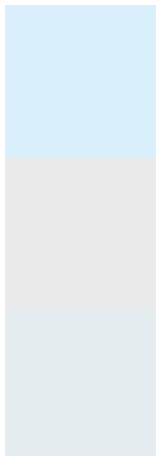
Deuteranomaly

81.6872, 82.9186, 103.7950

Tritanomaly

77.6773, 83.3649, 105.7629

Monochromacy



Original Color

76.8944, 83.4498, 103.3214

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.7185, 82.7762, 94.3193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8944, 83.4498, 103.3214 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(217, 239, 251)` looks like.

```
.text, #text, p{  
    color:rgb(217, 239, 251)  
}
```

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(217, 239, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 239, 251) }
```

Border

The CSS property to change the border of an element to XYZ 76.8944, 83.4498, 103.3214 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(217, 239, 251) }
```


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

```
.border{ border-color:rgb(217, 239, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 239, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 239, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 239, 251);  
box-shadow:4px 4px 4px 4px rgb(217, 239,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8944, 83.4498, 103.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 239, 251) }
```

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

```
.background{ background-color: rgb(217,  
239, 251) }
```

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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