

Converting Colors

XYZ(64.3151, 67.1435, 95.1596)

Have a look what the booklet for
XYZ(64.3151, 67.1435, 95.1596)
contains.

XYZ(64.1951, 66.9041, 95.1183)	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(64.1951, 66.9041,
95.1183)**

Conversions

Conversions Part 1

Format	Color
Hex	C8D6F4
RGB	200, 214, 244
RGB Percent	78%, 84%, 96%
CMY	0.2157, 0.1608, 0.0431
CMYK	0.18, 0.12, 0.00, 0.04
HSL	221°, 67%, 87%
HSV	221°, 18%, 96%
XYZ	64.1951, 66.9041, 95.1183
YIQ	213.2340, -17.9740, 6.3620

Conversions

Conversions Part 2

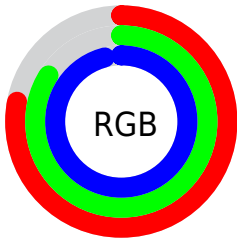
Format	Color
R _Y B	200, 211, 244
Decimal	13162228
CIE Lab	85.46, 1.38, -16.27
CIE LCh	85, 16.325, 274.856
Yxy	66.9041, 0.2838, 0.2958
Android (android.graphics.Color)	4291352308 (0xFFC8D6F4)
YUV	213.2340, 15.1676, -11.6062
Hunter-Lab	81.7949, -3.0490, -11.6912

Details

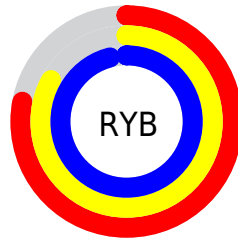
The XYZ color **64.1951, 66.9041, 95.1183** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **76.0310, 79.9969, 66.0788**, and the grayscale version is **63.3143, 66.6116, 72.5400**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3293, 34.5381, 52.4868** is the 20% darker color. If you saturate the color by 10%, you get **54.1943, 55.8160, 93.5063**, and if you desaturate by 10%, it is **75.6699, 79.3938, 96.9253**.

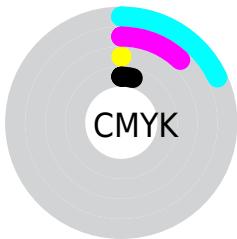
Distribution



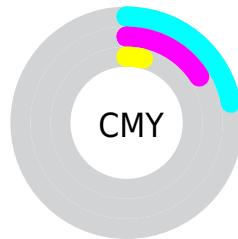
- Red (78%)
- Green (84%)
- Blue (96%)



- Red (78%)
- Yellow (83%)
- Blue (96%)



- Cyan (18%)
- Magenta (12%)
- Yellow (0%)
- Black (4%)



- Cyan (22%)
- Magenta (16%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1951, 66.9041, 95.1183 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 64.1951, 66.9041, 95.1183 by changing the saturation by 10% instead.

■ 64.1951, 66.9041,
95.1183

■ 64.1951, 66.9041,
95.1183

429.4849,
449.6033, 565.5376

■ 47.0710, 49.0067,
71.6360

109.9640,
114.7830, 156.4250

■ 33.3000, 34.6248,
52.3764

139.3396,
145.5333, 195.0865

■ 22.5167, 23.3740,
36.9209

173.5296,
181.3366, 239.6448

■ 14.3558, 14.8699,
24.8509

212.8995,
222.5774, 290.5185

■ 8.4519, 8.7281,
15.7480

257.8146,
269.6401, 348.1261

■ 4.4396, 4.5643,
9.1936

308.6403,

■ 1.9537, 1.9940,

322.9091, 412.8861

4.7691

365.7420,
382.7687, 485.2171

■ 0.6078, 0.6040,
2.0561

■ 0.0000, 0.0000,
0.5894

■ 64.1951, 66.9041,
95.1183

■ 64.1951, 66.9041,
95.1183

■ 54.1943, 55.8160,
93.5063

■ 75.6699, 79.3938,
96.9253

■ 45.5993, 46.0701,
92.0781

■ 88.6709, 93.3250,
98.9291

■ 38.3455, 37.6149,
90.8284

■ 93.3293, 99.3117,
99.8391

■ 32.3605, 30.3920,
89.7497

■ 27.5647, 24.3381,
88.8340

■ 23.8685, 19.3834,
88.0724

■ 21.1682, 15.4488,
87.4553

■ 19.3262, 12.4362,
86.9709

■ 19.0289, 11.9309,
86.8890

Harmonies

Analogous

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



60.6121, 66.9041, 92.9142



64.1951, 66.9041, 95.1183



67.7479, 66.9041, 90.8984

Triad

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



64.1951, 66.9041, 95.1183



69.6152, 66.9041, 61.8013



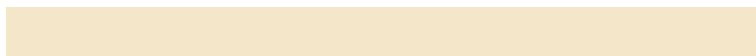
57.3589, 66.9041, 64.5202

Complementary

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



64.1951, 66.9041, 95.1183



76.0310, 79.9969, 66.0788

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.



59.6064, 66.9041, 57.3595



64.1951, 66.9041, 95.1183



66.6646, 66.9041, 55.8999

Square

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



64.1951, 66.9041, 95.1183



70.9537, 66.9041, 71.1343



62.9894, 66.9041, 54.3558



56.7549, 66.9041, 74.5874

Rectangle

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



64.1951, 66.9041, 95.1183



69.5933, 66.9041, 85.2298



62.9894, 66.9041, 54.3558



57.9429, 66.9041, 61.7261

Sweetspot

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



64.1971, 66.9068, 95.1198



87.8032, 92.2403, 107.7842



70.3609, 82.6578, 86.6204



18.5829, 19.5168, 23.0376



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.



64.1971, 66.9068, 95.1198



66.3259, 68.8469, 104.4008



62.8102, 61.1553, 94.0827



16.0116, 16.7874, 20.9390



10.4552, 6.7042, 47.2810



1.0076, 0.7666, 4.1851

Inverse Universe

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



70.1017, 65.3983, 72.5497



74.1327, 67.0578, 74.5135



77.5911, 86.8199, 67.3136



16.7164, 16.5694, 18.2532



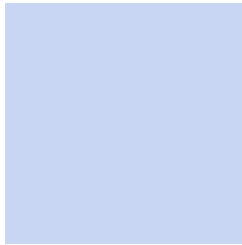
21.0818, 10.7762, 5.1392



1.8977, 0.9650, 0.6874

Previews

White Background



This preview shows how the XYZ color 64.1951, 66.9041, 95.1183 looks on a white background.

Color Contrast Check

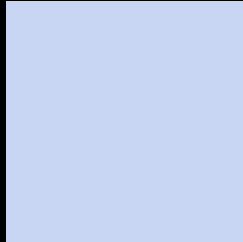
Large Text (above 18pt) WCAG AA × Fail

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 64.1951, 66.9041, 95.1183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

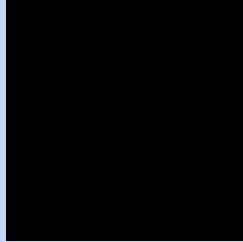
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1951, 66.9041, 95.1183

Background



This preview shows how black text looks on a background with the XYZ color 64.1951, 66.9041, 95.1183.



This preview shows how white text looks on a background with the XYZ color 64.1951, 66.9041,

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

64.1951, 66.9041, 95.1183

Protanopia

65.5829, 66.9077, 93.4623

Deuteranopia

68.2507, 66.7644, 95.6758



Tritanopia

62.5525, 67.0007, 86.7263

Trichromacy



Original Color

64.1951, 66.9041, 95.1183

Protanomaly

65.1487, 67.0387, 94.3001

Deuteranomaly

66.6794, 66.6828, 95.7429

Tritanomaly

63.1397, 66.8574, 89.6977

Monochromacy



Original Color

64.1951, 66.9041, 95.1183

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.2612, 66.3802, 79.9994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1951, 66.9041, 95.1183 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(200, 214, 244)` looks like.

```
.text, #text, p{  
    color:rgb(200, 214, 244)  
}
```

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(200, 214, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 214, 244) }
```

Border

The CSS property to change the border of an element to XYZ 64.1951, 66.9041, 95.1183 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(200, 214, 244) }
```


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

```
.border{ border-color:rgb(200, 214, 244) }
```

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

Here you see how a box with a 4 pixel rgb(200, 214, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 214, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 214, 244);  
box-shadow:4px 4px 4px 4px rgb(200, 214,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1951, 66.9041, 95.1183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 214, 244) }
```

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

```
.background{ background-color: rgb(200,  
214, 244) }
```

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