

Converting Colors

XYZ(21.0316, 31.4780, 5.6890)

Have a look what the booklet for
XYZ(21.0316, 31.4780, 5.6890)
contains.

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Color

**XYZ(21.0774, 31.6368,
5.7051)**

Conversions

Conversions Part 1

Format	Color
Hex	72A815
RGB	114, 168, 21
RGB Percent	45%, 66%, 8%
CMY	0.5529, 0.3412, 0.9176
CMYK	0.32, 0.00, 0.87, 0.34
HSL	82°, 78%, 37%
HSV	82°, 87%, 66%
XYZ	21.0774, 31.6368, 5.7051
YIQ	135.0960, 15.0030, -57.1650

Conversions

Conversions Part 2

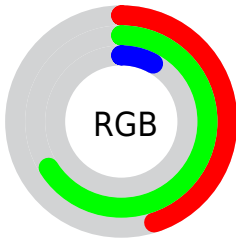
Format	Color
RYB	21, 168, 75
Decimal	7514133
CIELab	63.04, -38.05, 61.44
CIELCh	63, 72.269, 121.773
Yxy	31.6368, 0.3608, 0.5415
Android (android.graphics.Color)	4285704213 (0xFF72A815)
YUV	135.0960, -56.2493, -18.5012
Hunter-Lab	56.2466, -31.5419, 33.3588

Details

The XYZ color **21.0774, 31.6368, 5.7051** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **10.2393, 4.8604, 37.4461**, and the grayscale version is **23.2643, 24.4759, 26.6542**.

A 20% lighter version of the original color is **44.7946, 62.4819, 17.8829**, and **7.8757, 13.1610, 2.1252** is the 20% darker color. If you saturate the color by 10%, you get **20.1897, 31.1932, 5.0776**, and if you desaturate by 10%, it is **22.1197, 32.1507, 6.8576**.

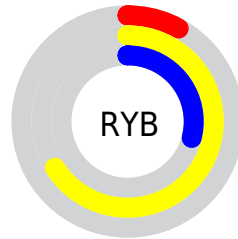
Distribution



Red (45%)

Green (66%)

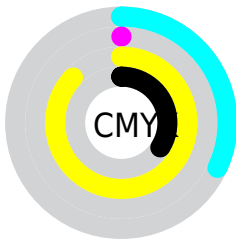
Blue (8%)



Red (8%)

Yellow (66%)

Blue (29%)

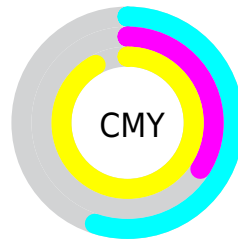


Cyan (32%)

Magenta (0%)

Yellow (87%)

Black (34%)



Cyan (55%)


Magenta (34%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0774, 31.6368, 5.7051 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 21.0774, 31.6368, 5.7051 by changing the saturation by 10% instead.


 21.0774, 31.6368,
5.7051


 21.0774, 31.6368,
5.7051


250.4135,
309.4614, 165.6232


 13.2934, 21.0842,
2.6007


 44.7066, 62.2413,
17.7826

 7.7093, 13.1856,
0.8928


 61.2825, 83.0620,
27.5929


 3.9597, 7.5565,
0.0000


 81.5198, 108.0742,
40.4755

 1.6794, 3.8125,
0.0000

 105.7837,
137.6622, 56.8491

 0.4433, 1.5692,
0.0000

 134.4397,
172.2106, 77.1321

 0.0000, 0.3367,
0.0000

 167.8531,

 0.0000, 0.0000,

212.1037, 101.7431

0.0000

206.3892,
257.7258, 131.1006

■ 21.0774, 31.6368,
5.7051

■ 21.0774, 31.6368,
5.7051

■ 20.1897, 31.1932,
5.0776

■ 22.1197, 32.1507,
6.8576

■ 19.9806, 31.0880,
4.9475

■ 23.3386, 32.7406,
8.6551

■ 24.7506, 33.4141,
11.1757

■ 26.3691, 34.1769,
14.4854

■ 28.2063, 35.0339,
18.6433

■ 30.2732, 35.9896,
23.7024

■ 32.5800, 37.0482,
29.7117

■ 35.1362, 38.2136,
36.7164

■ 37.9507, 39.4894,
44.7590

Harmonies

Analogous

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



29.4816, 31.6368, 3.5752



21.0774, 31.6368, 5.7051



16.1647, 31.6368, 14.4851

Triad

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



21.0774, 31.6368, 5.7051



21.8971, 31.6368, 108.8077



53.5379, 31.6368, 32.7789

Complementary

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



21.0774, 31.6368, 5.7051



10.2393, 4.8604, 37.4461

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.



50.2772, 31.6368, 67.4111



21.0774, 31.6368, 5.7051



30.6659, 31.6368, 123.3877

Square

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



21.0774, 31.6368, 5.7051



16.5593, 31.6368, 72.1118



41.3131, 31.6368, 105.1976



49.4476, 31.6368, 12.8982

Rectangle

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



21.0774, 31.6368, 5.7051



14.8290, 31.6368, 27.1854



41.3131, 31.6368, 105.1976



53.2626, 31.6368, 42.8989

Sweetspot

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



21.0781, 31.6382, 5.7058



55.3382, 65.4921, 44.0386



18.7945, 13.3990, 2.3056



11.7779, 14.1438, 8.8847



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.0781, 31.6382, 5.7058



36.0125, 56.2856, 8.9661



15.0377, 28.5242, 5.4231



7.8756, 8.6340, 8.0407



15.1456, 23.5051, 3.7387



0.4219, 0.5994, 0.0935

Inverse Universe

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



10.2393, 4.8604, 37.4461



16.1822, 6.8606, 67.6964



19.6226, 9.6977, 37.8852



7.3824, 7.4297, 9.4633



6.8769, 2.9286, 28.1783



0.2237, 0.1003, 0.6882

Previews

White Background



This preview shows how the XYZ color 21.0774, 31.6368, 5.7051 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 21.0774, 31.6368, 5.7051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

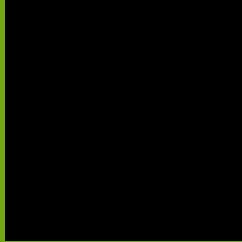
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.0774, 31.6368, 5.7051

Background



This preview shows how black text looks on a background with the XYZ color 21.0774, 31.6368, 5.7051.



This preview shows how white text looks on a background with the XYZ color 21.0774, 31.6368,

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

21.0774, 31.6368, 5.7051

Protanopia

28.1163, 31.1518, 5.0212

Deuteranopia

31.8090, 31.1628, 6.1722



Tritanopia

28.4100, 31.4668, 42.1125

Trichromacy



Original Color

21.0774, 31.6368, 5.7051

Protanomaly

24.9137, 30.9814, 5.2392

Deuteranomaly

26.7562, 30.6733, 5.8768

Tritanomaly

24.1228, 30.7394, 20.8815

Monochromacy



Original Color

21.0774, 31.6368, 5.7051

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.2065, 26.1876, 14.5267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0774, 31.6368, 5.7051 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(114, 168, 21)` looks like.

```
.text, #text, p{  
    color:rgb(114, 168, 21)  
}
```

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(114, 168, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 168, 21) }
```

Border

The CSS property to change the border of an element to XYZ 21.0774, 31.6368, 5.7051 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(114, 168, 21) }
```


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

```
.border{ border-color:rgb(114, 168, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 168, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 168, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 168, 21);  
box-shadow:4px 4px 4px 4px rgb(114, 168,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0774, 31.6368, 5.7051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 168, 21) }
```

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

```
.background{ background-color: rgb(114,  
168, 21) }
```

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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