

Converting Colors

XYZ(21.1996, 31.1658, 5.2088)

Have a look what the booklet for
XYZ(21.1996, 31.1658, 5.2088)
contains.

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Color

**XYZ(21.1678, 31.1482,
5.2131)**

Conversions

Conversions Part 1

Format	Color
Hex	76A60B
RGB	118, 166, 11
RGB Percent	46%, 65%, 4%
CMY	0.5373, 0.3490, 0.9568
CMYK	0.29, 0.00, 0.93, 0.35
HSL	79°, 88%, 35%
HSV	79°, 93%, 65%
XYZ	21.1678, 31.1482, 5.2131
YIQ	133.9780, 21.1470, -58.3810

Conversions

Conversions Part 2

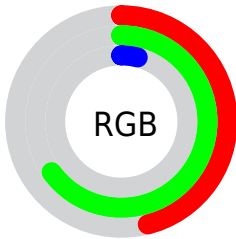
Format	Color
RYB	11, 166, 59
Decimal	7775755
CIELab	62.63, -35.86, 62.95
CIELCh	63, 72.447, 119.668
Yxy	31.1482, 0.3679, 0.5414
Android (android.graphics.Color)	4285965835 (0xFF76A60B)
YUV	133.9780, -60.6282, -14.0127
Hunter-Lab	55.8106, -29.9671, 33.5293

Details

The XYZ color **21.1678, 31.1482, 5.2131** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.8078, 3.9233, 36.3714**, and the grayscale version is **22.8636, 24.0543, 26.1951**.

A 20% lighter version of the original color is **44.6872, 61.2616, 16.6771**, and **8.0672, 13.0914, 2.1017** is the 20% darker color. If you saturate the color by 10%, you get **20.6531, 30.8909, 4.8740**, and if you desaturate by 10%, it is **22.0305, 31.5772, 6.0084**.

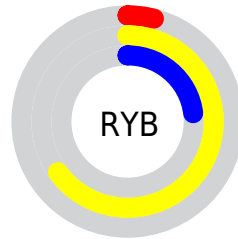
Distribution



Red (46%)

Green (65%)

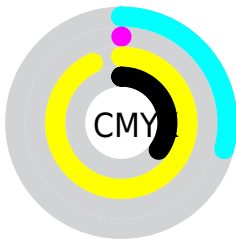
Blue (4%)



Red (4%)

Yellow (65%)

Blue (23%)

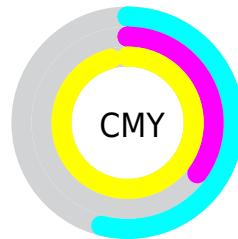


Cyan (29%)

Magenta (0%)

Yellow (93%)

Black (35%)



Cyan (54%)

Magenta (35%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1678, 31.1482, 5.2131 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 21.1678, 31.1482, 5.2131 by changing the saturation by 10% instead.

■ 21.1678, 31.1482,
5.2131

■ 21.1678, 31.1482,
5.2131

■ 250.8838,
307.2205, 160.8815

■ 13.3599, 20.7117,
2.3119

■ 44.8558, 61.4733,
16.7229

■ 7.7555, 12.9134,
0.7379

■ 61.4666, 82.1308,
26.1685

■ 3.9894, 7.3690,
0.0000

■ 81.7424, 106.9640,
38.6328

■ 1.6961, 3.6939,
0.0000

■ 106.0485,
136.3574, 54.5341

■ 0.4539, 1.5039,
0.0000

■ 134.7504,
170.6953, 74.2911

■ 0.0000, 0.2914,
0.0000

■ 168.2133,

■ 0.0000, 0.0000,

210.3622, 98.3223

0.0000

206.8027,
255.7425, 127.0463

■ 21.1678, 31.1482,
5.2131

■ 21.1678, 31.1482,
5.2131

■ 20.6531, 30.8909,
4.8740

■ 22.0305, 31.5772,
6.0084

■ 23.0402, 32.0685,
7.3795

■ 24.2142, 32.6299,
9.4106

■ 25.5662, 33.2672,
12.1719

■ 27.1085, 33.9853,
15.7242

■ 28.8519, 34.7885,
20.1222

■ 30.8063, 35.6809,
25.4158

■ 32.9812, 36.6663,
31.6509

■ 35.3849, 37.7482,
38.8701

Harmonies

Analogous

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



29.7157, 31.1482, 3.4239



21.1678, 31.1482, 5.2131



16.0568, 31.1482, 13.2007

Triad

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



21.1678, 31.1482, 5.2131



21.0157, 31.1482, 105.8145



52.9366, 31.1482, 34.2314

Complementary

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



21.1678, 31.1482, 5.2131



8.8078, 3.9233, 36.3714

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.



49.2001, 31.1482, 69.4494



21.1678, 31.1482, 5.2131



29.4955, 31.1482, 122.5127

Square

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



21.1678, 31.1482, 5.2131



15.9837, 31.1482, 68.5723



40.0314, 31.1482, 106.4893



49.3548, 31.1482, 13.4940

Rectangle

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



21.1678, 31.1482, 5.2131



14.5809, 31.1482, 25.0682



40.0314, 31.1482, 106.4893



52.4848, 31.1482, 44.6313

Sweetspot

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



21.1685, 31.1496, 5.2138



54.0305, 63.8986, 40.9651



17.2757, 11.1086, 1.5506



11.7681, 14.1516, 8.3055



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.



21.1685, 31.1496, 5.2138



37.2557, 55.9446, 8.8348



14.6527, 27.7906, 4.9088



7.9174, 8.6555, 8.0427



16.0641, 23.9786, 3.7817



0.4396, 0.6086, 0.0943

Inverse Universe

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



8.8078, 3.9233, 36.3714



14.8158, 6.1948, 65.8901



16.9957, 8.1443, 36.7546



7.3423, 7.4090, 9.4615



6.4555, 2.7114, 28.1586



0.2089, 0.0927, 0.6875

Previews

White Background



This preview shows how the XYZ color 21.1678, 31.1482, 5.2131 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 21.1678, 31.1482, 5.2131 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 21.1678, 31.1482, 5.2131

Background



This preview shows how black text looks on a background with the XYZ color 21.1678, 31.1482, 5.2131.



This preview shows how white text looks on a background with the XYZ color 21.1678, 31.1482,

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

21.1678, 31.1482, 5.2131

Protanopia

27.6442, 30.6793, 4.4647

Deuteranopia

31.3322, 30.7019, 5.7135



Tritanopia

28.3622, 30.9696, 41.0421

Trichromacy



Original Color

21.1678, 31.1482, 5.2131

Protanomaly

24.6729, 30.3650, 4.6755

Deuteranomaly

26.5519, 30.0959, 5.3294

Tritanomaly

23.9434, 30.1687, 19.3130

Monochromacy



Original Color

21.1678, 31.1482, 5.2131

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

20.9841, 25.8682, 13.3383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1678, 31.1482, 5.2131 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(118, 166, 11)` looks like.

```
.text, #text, p{  
    color:rgb(118, 166, 11)  
}
```

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(118, 166, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 166, 11) }
```

Border

The CSS property to change the border of an element to XYZ 21.1678, 31.1482, 5.2131 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(118, 166, 11) }
```


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

```
.border{ border-color:rgb(118, 166, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 166, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 166, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 166, 11);  
box-shadow:4px 4px 4px 4px rgb(118, 166,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1678, 31.1482, 5.2131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 166, 11) }
```

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

```
.background{ background-color: rgb(118,  
166, 11) }
```

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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