

Converting Colors

XYZ(21.0181, 30.6700, 5.0973)

Have a look what the booklet for
XYZ(21.0181, 30.6700, 5.0973)
contains.

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Color

**XYZ(21.1177, 30.8541,
5.1296)**

Conversions

Conversions Part 1

Format	Color
Hex	77A50A
RGB	119, 165, 10
RGB Percent	47%, 65%, 4%
CMY	0.5333, 0.3529, 0.9607
CMYK	0.28, 0.00, 0.94, 0.35
HSL	78°, 89%, 34%
HSV	78°, 94%, 65%
XYZ	21.1177, 30.8541, 5.1296
YIQ	133.5760, 22.3390, -57.9570

Conversions

Conversions Part 2

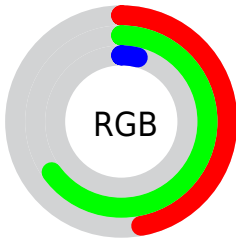
Format	Color
RYB	10, 165, 56
Decimal	7841034
CIELab	62.38, -35.03, 62.91
CIELCh	62, 72.006, 119.108
Yxy	30.8541, 0.3698, 0.5403
Android (android.graphics.Color)	4286031114 (0xFF77A50A)
YUV	133.5760, -60.9230, -12.7832
Hunter-Lab	55.5465, -29.3440, 33.4072

Details

The XYZ color **21.1177, 30.8541, 5.1296** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.5326, 3.7755, 35.8781**, and the grayscale version is **22.7163, 23.8993, 26.0263**.

A 20% lighter version of the original color is **44.6475, 60.8504, 16.5999**, and **8.0195, 12.9002, 2.0673** is the 20% darker color. If you saturate the color by 10%, you get **20.6618, 30.6264, 4.8225**, and if you desaturate by 10%, it is **21.9455, 31.2660, 5.8861**.

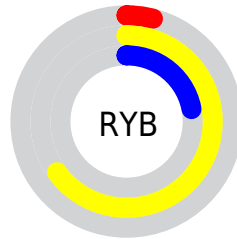
Distribution



Red (47%)

Green (65%)

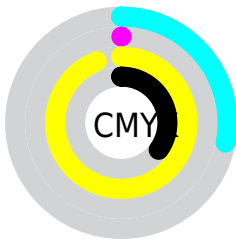
Blue (4%)



Red (4%)

Yellow (65%)

Blue (22%)

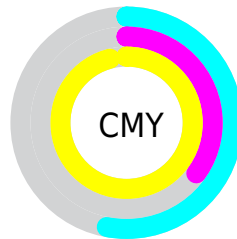


Cyan (28%)

Magenta (0%)

Yellow (94%)

Black (35%)



Cyan (53%)

Magenta (35%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1177, 30.8541, 5.1296 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 21.1177, 30.8541, 5.1296 by changing the saturation by 10% instead.

■ 21.1177, 30.8541,
5.1296

■ 21.1177, 30.8541,
5.1296

250.6232,
305.8656, 160.0570

■ 13.3230, 20.4878,
2.2634

■ 44.7731, 61.0103,
16.5409

■ 7.7299, 12.7501,
0.7106

■ 61.3646, 81.5690,
25.9232

■ 3.9729, 7.2567,
0.0000

■ 81.6190, 106.2938,
38.3146

■ 1.6868, 3.6231,
0.0000

■ 105.9018,
135.5694, 54.1336

■ 0.4480, 1.4651,
0.0000

■ 134.5782,
169.7799, 73.7988

■ 0.0000, 0.2640,
0.0000

■ 168.0137,

■ 0.0000, 0.0000,

209.3099, 97.7287

0.0000

206.5736,
254.5436, 126.3419

21.1177, 30.8541,
5.1296

21.1177, 30.8541,
5.1296

20.6618, 30.6264,
4.8225

21.9455, 31.2660,
5.8861

22.9143, 31.7372,
7.2053

24.0413, 32.2759,
9.1711

25.3401, 32.8874,
11.8530

26.8227, 33.5767,
15.3115

■ 28.4998, 34.3481,
19.6008

■ 30.3811, 35.2055,
24.7702

■ 32.4759, 36.1526,
30.8651

■ 34.7926, 37.1930,
37.9277

Harmonies

Analogous

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



29.6187, 30.8541, 3.4272



21.1177, 30.8541, 5.1296



15.9991, 30.8541, 12.8792

Triad

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



21.1177, 30.8541, 5.1296



20.7142, 30.8541, 103.9560



52.3525, 30.8541, 34.4375

Complementary

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



21.1177, 30.8541, 5.1296



8.5326, 3.7755, 35.8781

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.



48.5381, 30.8541, 69.3941



21.1177, 30.8541, 5.1296



29.0351, 30.8541, 120.9705

Square

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



21.1177, 30.8541, 5.1296



15.8050, 30.8541, 67.0728



39.4254, 30.8541, 105.7407



48.9475, 30.8541, 13.6582

Rectangle

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



21.1177, 30.8541, 5.1296



14.4982, 30.8541, 24.4356



39.4254, 30.8541, 105.7407



51.8603, 30.8541, 44.7972

Sweetspot

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



21.1184, 30.8555, 5.1303



52.8172, 62.3242, 39.9158



16.8886, 10.6534, 1.4538



11.2500, 13.4898, 7.9194



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.1184, 30.8555, 5.1303



36.7895, 54.7375, 8.6264



14.5321, 27.4601, 4.8220



7.4437, 8.1312, 7.5572



15.6819, 23.1948, 3.6505



0.3733, 0.5100, 0.0788

Inverse Universe

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



8.5326, 3.7755, 35.8781



14.2503, 5.9412, 64.1480



16.3263, 7.7933, 36.2428



6.8889, 6.9571, 8.8828



6.1401, 2.5718, 27.1026



0.1743, 0.0774, 0.5716

Previews

White Background



This preview shows how the XYZ color 21.1177, 30.8541, 5.1296 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 21.1177, 30.8541, 5.1296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

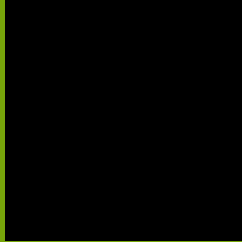
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.1177, 30.8541, 5.1296

Background



This preview shows how black text looks on a background with the XYZ color 21.1177, 30.8541, 5.1296.



This preview shows how white text looks on a background with the XYZ color 21.1177, 30.8541,

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

21.1177, 30.8541, 5.1296

Deuteranopia

31.0694, 30.5680, 5.6292

Tritanopia

28.1057, 30.6040, 40.5022

Trichromacy



Original Color

21.1177, 30.8541, 5.1296

Deuteranomaly

26.5413, 30.0917, 5.2736

Tritanomaly

23.8705, 29.8852, 18.9783

Monochromacy



Original Color

21.1177, 30.8541, 5.1296

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

20.9818, 25.6392, 13.2942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1177, 30.8541, 5.1296 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(119, 165, 10)` looks like.

```
.text, #text, p{  
    color:rgb(119, 165, 10)  
}
```

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(119, 165, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 165, 10) }
```

Border

The CSS property to change the border of an element to XYZ 21.1177, 30.8541, 5.1296 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(119, 165, 10) }
```

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

```
.border{ border-color:rgb(119, 165, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 165, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 165, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 165, 10);  
box-shadow:4px 4px 4px 4px rgb(119, 165,  
10) }
```


Background

The CSS property to change the background color of an element to XYZ 21.1177, 30.8541, 5.1296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 165, 10) }
```

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

```
.background{ background-color: rgb(119,  
165, 10) }
```

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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