

Converting Colors

XYZ(21.0792, 33.1642, 5.2903)

Have a look what the booklet for
XYZ(21.0792, 33.1642, 5.2903)
contains.

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Color

**XYZ(21.0070, 33.0129,
5.2650)**

Conversions

Conversions Part 1

Format	Color
Hex	6BAD00
RGB	107, 173, 0
RGB Percent	42%, 68%, 0%
CMY	0.5804, 0.3216, 0.9999
CMYK	0.38, 0.00, 1.00, 0.32
HSL	83°, 100%, 34%
HSV	83°, 100%, 68%
XYZ	21.0070, 33.0129, 5.2650
YIQ	133.5440, 16.1970, -67.7950

Conversions

Conversions Part 2

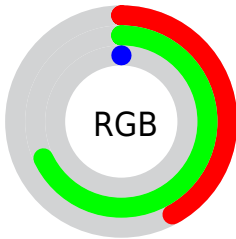
Format	Color
RYB	0, 173, 66
Decimal	7056640
CIELab	64.17, -43.26, 65.36
CIELCh	64, 78.383, 123.499
Yxy	33.0129, 0.3543, 0.5569
Android (android.graphics.Color)	4285246720 (0xFF6BAD00)
YUV	133.5440, -65.8372, -23.2791
Hunter-Lab	57.4569, -35.2875, 34.7868

Details

The XYZ color **21.0070, 33.0129, 5.2650** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.7916, 4.1767, 39.8271**, and the grayscale version is **22.7237, 23.9071, 26.0349**.

A 20% lighter version of the original color is **44.6337, 64.4529, 16.9257**, and **7.9831, 14.0859, 2.2981** is the 20% darker color. If you saturate the color by 10%, you get **21.0068, 33.0139, 5.2651**, and if you desaturate by 10%, it is **21.9356, 33.4807, 5.8498**.

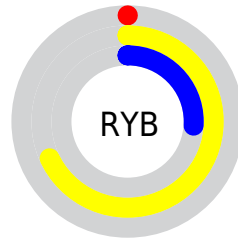
Distribution



Red (42%)

Green (68%)

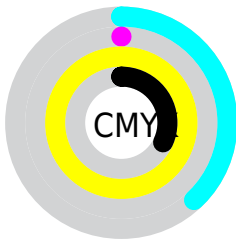
Blue (0%)



Red (0%)

Yellow (68%)

Blue (26%)

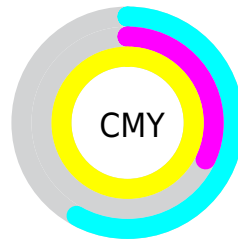


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (58%)

Magenta (32%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0070, 33.0129, 5.2650 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 21.0070, 33.0129, 5.2650 by changing the saturation by 10% instead.

■ 21.0070, 33.0129,
5.2650

■ 21.0070, 33.0129,
5.2650

250.0467,
315.7079, 161.3910

■ 13.2416, 22.1363,
2.3421

■ 44.5904, 64.3957,
16.8356

■ 7.6733, 13.9571,
0.7547

■ 61.1391, 85.6707,
26.3205

■ 3.9366, 8.0908,
0.0000

■ 81.3462, 111.1806,
38.8297

■ 1.6664, 4.1531,
0.0000

■ 105.5772,
141.3098, 54.7819

■ 0.4351, 1.7596,
0.0000

■ 134.1974,
176.4428, 74.5956

■ 0.0000, 0.4618,
0.0000

■ 167.5722,

■ 0.0000, 0.0000,

216.9638, 98.6893

0.0000

206.0668,
263.2574, 127.4816

21.0070, 33.0129,
5.2650

21.0070, 33.0129,
5.2650

21.0068, 33.0139,
5.2651

21.9356, 33.4807,
5.8498

23.0158, 34.0151,
6.9132

24.2854, 34.6326,
8.6441

25.7621, 35.3404,
11.1297

27.4611, 36.1447,
14.4437

■ 29.3960, 37.0511,
18.6512

■ 31.5789, 38.0645,
23.8109

■ 34.0212, 39.1896,
29.9763

■ 36.7333, 40.4307,
37.1970

Harmonies

Analogous

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



30.0926, 33.0129, 2.9383



21.0070, 33.0129, 5.2650



15.8859, 33.0129, 14.9814

Triad

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



21.0070, 33.0129, 5.2650



22.7821, 33.0129, 123.1393



57.8789, 33.0129, 32.3411

Complementary

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



21.0070, 33.0129, 5.2650



9.7916, 4.1767, 39.8271

Split Complementary

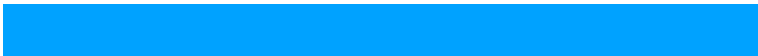
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



54.6273, 33.0129, 70.7177



21.0070, 33.0129, 5.2650



32.6990, 33.0129, 138.0455

Square

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



21.0070, 33.0129, 5.2650



16.7281, 33.0129, 81.3602



44.6991, 33.0129, 114.8515



52.7630, 33.0129, 11.6564

Rectangle

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



21.0070, 33.0129, 5.2650



14.5852, 33.0129, 29.4570



44.6991, 33.0129, 114.8515



57.7324, 33.0129, 43.3228

Sweetspot

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



21.0078, 33.0143, 5.2657



56.3332, 68.0666, 42.1032



19.0368, 12.4893, 1.4079



11.8869, 14.6277, 8.2950



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.0078, 33.0143, 5.2657



37.3738, 58.9965, 9.4177



15.2996, 30.0717, 4.9986



8.3621, 9.1753, 8.5436



15.4970, 24.2861, 3.8709



0.4895, 0.7057, 0.1104

Inverse Universe

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



9.7916, 4.1767, 39.8271



17.3118, 7.3641, 71.3147



20.1098, 9.4959, 40.3100



7.8570, 7.9006, 10.0636



7.2519, 3.0983, 29.2603



0.2638, 0.1182, 0.8169

Previews

White Background



This preview shows how the XYZ color 21.0070, 33.0129, 5.2650 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 21.0070, 33.0129, 5.2650 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 21.0070, 33.0129, 5.2650

Background



This preview shows how black text looks on a background with the XYZ color 21.0070, 33.0129, 5.2650.



This preview shows how white text looks on a background with the XYZ color 21.0070, 33.0129,

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

21.0070, 33.0129, 5.2650

Protanopia

29.4005, 32.5566, 4.7345

Deuteranopia

33.2281, 32.5850, 6.0516



Tritanopia

28.9890, 32.9814, 44.8826

Trichromacy



Original Color

21.0070, 33.0129, 5.2650

Protanomaly

25.4980, 32.3247, 4.8954

Deuteranomaly

27.1375, 31.6214, 5.4323

Tritanomaly

23.9321, 31.9799, 19.9503

Monochromacy



Original Color

21.0070, 33.0129, 5.2650

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

20.5418, 26.1208, 12.5535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0070, 33.0129, 5.2650 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(107, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(107, 173, 0)  
}
```

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(107, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 173, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.0070, 33.0129, 5.2650 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(107, 173, 0) }
```


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

```
.border{ border-color:rgb(107, 173, 0) }
```

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

Here you see how a box with a 4 pixel rgb(107, 173, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(107, 173,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0070, 33.0129, 5.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 173, 0) }
```

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

```
.background{ background-color: rgb(107,  
173, 0) }
```

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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