

Converting Colors

XYZ(20.3901, 33.3789, 1.5697)

Have a look what the booklet for
XYZ(20.3901, 33.3789, 1.5697)
contains.

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Color

**XYZ(21.0389, 33.6030,
5.3772)**

Conversions

Conversions Part 1

Format	Color
Hex	68AF00
RGB	104, 175, 0
RGB Percent	41%, 69%, 0%
CMY	0.5922, 0.3137, 0.9999
CMYK	0.41, 0.00, 1.00, 0.31
HSL	84°, 100%, 34%
HSV	84°, 100%, 69%
XYZ	21.0389, 33.6030, 5.3772
YIQ	133.8210, 13.8590, -69.4770

Conversions

Conversions Part 2

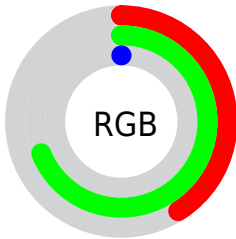
Format	Color
RYB	0, 175, 71
Decimal	6860544
CIELab	64.65, -45.16, 65.67
CIELCh	65, 79.695, 124.514
Yxy	33.6030, 0.3505, 0.5599
Android (android.graphics.Color)	4285050624 (0xFF68AF00)
YUV	133.8210, -65.9738, -26.1530
Hunter-Lab	57.9681, -36.6595, 35.0778

Details

The XYZ color **21.0389, 33.6030, 5.3772** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **10.3386, 4.4361, 40.8707**, and the grayscale version is **22.8269, 24.0157, 26.1530**.

A 20% lighter version of the original color is **44.5784, 65.2507, 17.0826**, and **7.9982, 14.4545, 2.3685** is the 20% darker color. If you saturate the color by 10%, you get **21.0387, 33.6040, 5.3774**, and if you desaturate by 10%, it is **22.0042, 34.0896, 5.9720**.

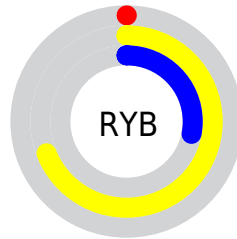
Distribution



Red (41%)

Green (69%)

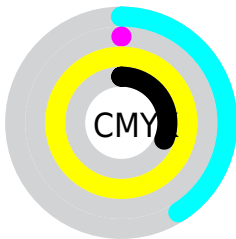
Blue (0%)



Red (0%)

Yellow (69%)

Blue (28%)

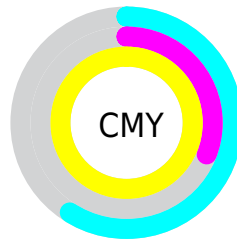


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (59%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0389, 33.6030, 5.3772 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 21.0389, 33.6030, 5.3772 by changing the saturation by 10% instead.


 21.0389, 33.6030,
5.3772

 21.0389, 33.6030,
5.3772


250.2130,
318.3582, 162.4847


 13.2651, 22.5888,
2.4077


 44.6431, 65.3158,
17.0786


 7.6896, 14.2902,
0.7906


 61.2041, 86.7832,
26.6476


 3.9471, 8.3228,
0.0000


 81.4249, 112.5038,
39.2534

 1.6722, 4.3022,
0.0000

 105.6708,
142.8619, 55.3146

 0.4388, 1.8440,
0.0000

 134.3072,
178.2421, 75.2499

 0.0000, 0.5144,
0.0000

 167.6995,

 0.0000, 0.0000,

219.0286, 99.4776

0.0000

206.2129,
265.6058, 128.4163

21.0389, 33.6030,
5.3772

21.0389, 33.6030,
5.3772

21.0387, 33.6040,
5.3774

22.0042, 34.0896,
5.9720

23.1330, 34.6486,
7.0602

24.4641, 35.2969,
8.8341

26.0159, 36.0420,
11.3833

27.8044, 36.8906,
14.7838

■ 29.8437, 37.8485,
19.1027

■ 32.1468, 38.9209,
24.4002

■ 34.7253, 40.1127,
30.7315

■ 37.5904, 41.4285,
38.1476

Harmonies

Analogous

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



30.2409, 33.6030, 2.8811



21.0389, 33.6030, 5.3772



15.9299, 33.6030, 15.6447

Triad

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



21.0389, 33.6030, 5.3772



23.3881, 33.6030, 127.8270



59.2239, 33.6030, 31.8570

Complementary

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



21.0389, 33.6030, 5.3772



10.3386, 4.4361, 40.8707

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.



56.1548, 33.6030, 70.8841



21.0389, 33.6030, 5.3772



33.6987, 33.6030, 141.9651

Square

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



21.0389, 33.6030, 5.3772



17.0421, 33.6030, 85.0632



46.0720, 33.6030, 116.7634



53.6740, 33.6030, 11.2649

Rectangle

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



21.0389, 33.6030, 5.3772



14.6828, 33.6030, 30.8965



46.0720, 33.6030, 116.7634



59.1748, 33.6030, 42.9386

Sweetspot

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



21.0397, 33.6045, 5.3779



57.3407, 69.5957, 43.1506



19.8711, 13.4963, 1.5583



12.3552, 15.2874, 8.6797



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.0397, 33.6045, 5.3779



37.4246, 60.0501, 9.6184



15.5713, 30.7854, 5.1220



8.3435, 9.1657, 8.5428



15.1368, 24.1004, 3.8540



0.4809, 0.7013, 0.1100

Inverse Universe

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



10.3386, 4.4361, 40.8707



18.2808, 7.8232, 73.1834



21.7418, 10.3147, 41.4044



7.8751, 7.9099, 10.0644



7.4688, 3.2102, 29.2705



0.2707, 0.1218, 0.8172

Previews

White Background



This preview shows how the XYZ color 21.0389, 33.6030, 5.3772 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 21.0389, 33.6030, 5.3772 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 21.0389, 33.6030, 5.3772

Background



This preview shows how black text looks on a background with the XYZ color 21.0389, 33.6030, 5.3772.



This preview shows how white text looks on a background with the XYZ color 21.0389, 33.6030,

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

21.0389, 33.6030, 5.3772

Protanopia

29.7930, 33.0070, 4.8007

Deuteranopia

33.6582, 33.0369, 6.1929



Tritanopia

29.2458, 33.6141, 46.0210

Trichromacy



Original Color

21.0389, 33.6030, 5.3772

Protanomaly

25.6749, 32.6784, 4.9544

Deuteranomaly

27.4759, 32.2982, 5.5451

Tritanomaly

24.0795, 32.5892, 20.3505

Monochromacy



Original Color

21.0389, 33.6030, 5.3772

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

20.5555, 26.3617, 12.5993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0389, 33.6030, 5.3772 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(104, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(104, 175, 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(104, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 175, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.0389, 33.6030, 5.3772 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(104, 175, 0) }
```


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

```
.border{ border-color:rgb(104, 175, 0) }
```

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

Here you see how a box with a 4 pixel rgb(104, 175, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(104, 175,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0389, 33.6030, 5.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 175, 0) }
```

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

```
.background{ background-color: rgb(104,  
175, 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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