

Converting Colors

XYZ(20.1086, 33.1092, 4.1971)

Have a look what the booklet for
XYZ(20.1086, 33.1092, 4.1971)
contains.

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Color

**XYZ(20.3670, 33.2566,
5.3457)**

Conversions

Conversions Part 1

Format	Color
Hex	62AF00
RGB	98, 175, 0
RGB Percent	38%, 69%, 0%
CMY	0.6157, 0.3137, 0.9999
CMYK	0.44, 0.00, 1.00, 0.31
HSL	86°, 100%, 34%
HSV	86°, 100%, 69%
XYZ	20.3670, 33.2566, 5.3457
YIQ	132.0270, 10.2830, -70.7490

Conversions

Conversions Part 2

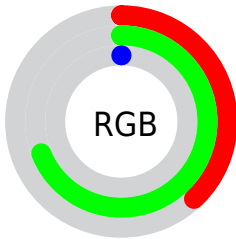
Format	Color
RYB	0, 175, 77
Decimal	6467328
CIELab	64.37, -47.21, 65.33
CIELCh	64, 80.605, 125.853
Yxy	33.2566, 0.3454, 0.5640
Android (android.graphics.Color)	4284657408 (0xFF62AF00)
YUV	132.0270, -65.0893, -29.8417
Hunter-Lab	57.6685, -37.8785, 34.8720

Details

The XYZ color **20.3670, 33.2566, 5.3457** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **10.8006, 4.6743, 40.8922**, and the grayscale version is **22.1683, 23.3228, 25.3985**.

A 20% lighter version of the original color is **43.5907, 64.7416, 17.0364**, and **7.6871, 14.2941, 2.3539** is the 20% darker color. If you saturate the color by 10%, you get **20.3669, 33.2576, 5.3459**, and if you desaturate by 10%, it is **21.3443, 33.7493, 5.9411**.

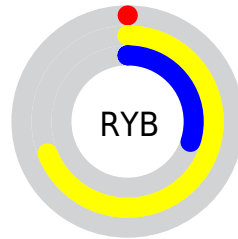
Distribution



Red (38%)

Green (69%)

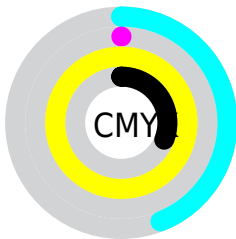
Blue (0%)



Red (0%)

Yellow (69%)

Blue (30%)

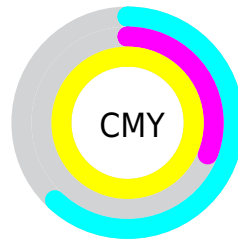


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (62%)

Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3670, 33.2566, 5.3457 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 20.3670, 33.2566, 5.3457 by changing the saturation by 10% instead.

■ 20.3670, 33.2566,
5.3457

■ 20.3670, 33.2566,
5.3457

246.6909,
316.8044, 162.1787

■ 12.7719, 22.3231,
2.3892

■ 43.5309, 64.7759,
17.0105

■ 7.3476, 14.0945,
0.7806

■ 59.8304, 86.1306,
26.5559

■ 3.7287, 8.1864,
0.0000

■ 79.7621, 111.7277,
39.1347

■ 1.5498, 4.2145,
0.0000

■ 103.6914,
141.9517, 55.1655

■ 0.3594, 1.7942,
0.0000

■ 131.9835,
177.1869, 75.0667

■ 0.0000, 0.4836,
0.0000

■ 165.0039,

■ 0.0000, 0.0000,

217.8179, 99.2570

0.0000

203.1179,
264.2289, 128.1548

20.3670, 33.2566,
5.3457

20.3670, 33.2566,
5.3457

20.3669, 33.2576,
5.3459

21.3443, 33.7493,
5.9411

22.4962, 34.3202,
7.0302

23.8619, 34.9864,
8.8057

25.4603, 35.7556,
11.3569

27.3079, 36.6346,
14.7602

■ 29.4191, 37.6295,
19.0823

■ 31.8074, 38.7459,
24.3837

■ 34.4848, 39.9887,
30.7195

■ 37.4628, 41.3627,
38.1407

Harmonies

Analogous

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



29.4122, 33.2566, 2.7082



20.3670, 33.2566, 5.3457



15.4475, 33.2566, 16.0238

Triad

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



20.3670, 33.2566, 5.3457



23.4151, 33.2566, 129.8978



59.0321, 33.2566, 30.1411

Complementary

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



20.3670, 33.2566, 5.3457



10.8006, 4.6743, 40.8922

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.



56.3213, 33.2566, 68.7007



20.3670, 33.2566, 5.3457



33.9134, 33.2566, 142.4680

Square

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



20.3670, 33.2566, 5.3457



16.8861, 33.2566, 87.2662



46.3744, 33.2566, 115.3738



53.0784, 33.2566, 10.3767

Rectangle

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



20.3670, 33.2566, 5.3457



14.3144, 33.2566, 31.8307



46.3744, 33.2566, 115.3738



59.1190, 33.2566, 40.9753

Sweetspot

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



20.3678, 33.2580, 5.3464



56.7248, 69.2782, 43.1218



20.2538, 14.2619, 1.6858



12.2037, 15.2093, 8.6726



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.



20.3678, 33.2580, 5.3464



36.2197, 59.4290, 9.5620



15.4780, 30.7373, 5.1176



8.3173, 9.1522, 8.5415



14.6563, 23.8527, 3.8316



0.4692, 0.6952, 0.1095

Inverse Universe

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



10.8006, 4.6743, 40.8922



19.0994, 8.2452, 73.2217



22.9119, 10.9179, 41.4590



7.9008, 7.9232, 10.0656



7.8020, 3.3820, 29.2861



0.2806, 0.1268, 0.8177

Previews

White Background



This preview shows how the XYZ color 20.3670, 33.2566, 5.3457 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 20.3670, 33.2566, 5.3457 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 20.3670, 33.2566, 5.3457

Background



This preview shows how black text looks on a background with the XYZ color 20.3670, 33.2566, 5.3457.



This preview shows how white text looks on a background with the XYZ color 20.3670, 33.2566,

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

20.3670, 33.2566, 5.3457

Protanopia

29.5677, 32.8909, 4.7902

Deuteranopia

33.2428, 32.5909, 6.1287



Tritanopia

28.5414, 33.2509, 45.9881

Trichromacy



Original Color

20.3670, 33.2566, 5.3457

Protanomaly

25.1298, 32.3974, 4.9288

Deuteranomaly

26.6990, 31.6455, 5.4601

Tritanomaly

23.2989, 32.1868, 20.3139

Monochromacy



Original Color

20.3670, 33.2566, 5.3457

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

19.9359, 25.8130, 12.3192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3670, 33.2566, 5.3457 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(98, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(98, 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(98, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 175, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.3670, 33.2566, 5.3457 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(98, 175, 0) }
```


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

```
.border{ border-color:rgb(98, 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(98, 175, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(98, 175, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.3670, 33.2566, 5.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 175, 0) }
```

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

```
.background{ background-color: rgb(98, 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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