

Converting Colors

XYZ(13.7733, 19.4704, 3.0322)

Have a look what the booklet for
XYZ(13.7733, 19.4704, 3.0322)
contains.

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Color

**XYZ(13.8670, 19.5998,
3.0523)**

Conversions

Conversions Part 1

Format	Color
Hex	668500
RGB	102, 133, 0
RGB Percent	40%, 52%, 0%
CMY	0.6000, 0.4784, 1.0000
CMYK	0.23, 0.00, 1.00, 0.48
HSL	74°, 100%, 26%
HSV	74°, 100%, 52%
XYZ	13.8670, 19.5998, 3.0523
YIQ	108.5690, 24.2170, -47.9350

Conversions

Conversions Part 2

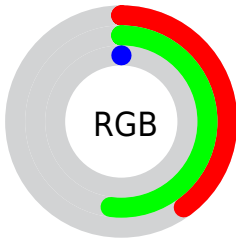
Format	Color
RYB	0, 133, 31
Decimal	6718720
CIELab	51.38, -27.22, 55.42
CIELCh	51, 61.743, 116.157
Yxy	19.5998, 0.3797, 0.5367
Android (android.graphics.Color)	4284908800 (0xFF668500)
YUV	108.5690, -53.5245, -5.7610
Hunter-Lab	44.2717, -21.5647, 26.9024

Details

The XYZ color **13.8670, 19.5998, 3.0523** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.7995, 1.9853, 22.3217**, and the grayscale version is **14.5563, 15.3144, 16.6773**.

A 20% lighter version of the original color is **32.4469, 42.6793, 11.6820**, and **4.4086, 6.8646, 1.0926** is the 20% darker color. If you saturate the color by 10%, you get **13.8671, 19.6005, 3.0524**, and if you desaturate by 10%, it is **14.3001, 19.8151, 3.4624**.

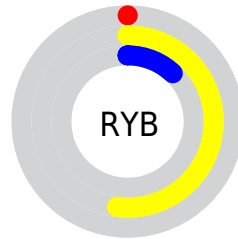
Distribution



Red (40%)

Green (52%)

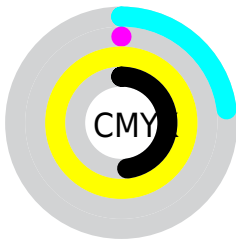
Blue (0%)



Red (0%)

Yellow (52%)

Blue (12%)

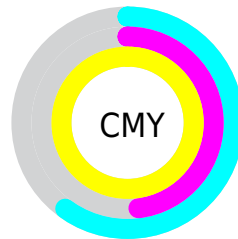


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (60%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8670, 19.5998, 3.0523 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 13.8670, 19.5998, 3.0523 by changing the saturation by 10% instead.

■ 13.8670, 19.5998,
3.0523

■ 13.8670, 19.5998,
3.0523

209.9291,
249.7403, 137.0240

■ 8.1093, 12.1045,
1.1214

■ 32.4411, 42.7452,
11.7572

■ 4.2174, 6.8149,
0.0000

■ 45.9882, 59.1640,
19.3683

■ 1.8258, 3.3466,
0.0000

■ 62.8625, 79.3262,
29.7099

■ 0.5332, 1.3152,
0.0000

■ 83.4293, 103.6161,
43.2005


■ 0.0000, 0.1530,
0.0000


■ 108.0540,
132.4180, 60.2587


■ 0.0000, 0.0000,
0.0000


■ 137.1020,


166.1164, 81.3030


 170.9385,
205.0957, 106.7519


 13.8670, 19.5998,
3.0523


 13.8670, 19.5998,
3.0523


 13.8671, 19.6005,
3.0524

 14.3001, 19.8151,
3.4624

 14.7901, 20.0540,
4.1048

 15.3630, 20.3276,
5.1135

 16.0273, 20.6393,
6.5328

 16.7903, 20.9921,
8.4007

■ 17.6586, 21.3886,
10.7508

■ 18.6381, 21.8313,
13.6136

■ 19.7343, 22.3221,
17.0170

■ 20.9521, 22.8633,
20.9869

Harmonies

Analogous

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



19.4366, 19.5998, 2.2118



13.8670, 19.5998, 3.0523



10.4010, 19.5998, 7.4468

Triad

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



13.8670, 19.5998, 3.0523



12.7649, 19.5998, 63.9121



33.1753, 19.5998, 23.7033

Complementary

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



13.8670, 19.5998, 3.0523



4.7995, 1.9853, 22.3217

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.



30.3418, 19.5998, 46.4522



13.8670, 19.5998, 3.0523



17.8441, 19.5998, 76.4745

Square

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



13.8670, 19.5998, 3.0523



9.8704, 19.5998, 40.1295



24.3727, 19.5998, 68.7678



31.4574, 19.5998, 9.5808

Rectangle

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



13.8670, 19.5998, 3.0523



9.3106, 19.5998, 14.1913



24.3727, 19.5998, 68.7678



32.7097, 19.5998, 30.5607

Sweetspot

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



13.8674, 19.6007, 3.0527



33.2480, 39.0361, 23.9939



10.1085, 5.8570, 0.5980



7.3451, 8.7289, 4.9738



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.8674, 19.6007, 3.0527



24.6896, 35.0254, 5.4593



9.1760, 17.1822, 2.8332



4.9364, 5.3698, 5.0057



13.2153, 18.6727, 2.9077



0.0522, 0.0680, 0.0104

Inverse Universe

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



4.7995, 1.9853, 22.3217



8.4732, 3.4923, 39.9659



8.9868, 4.1439, 22.5176



4.5286, 4.5931, 5.8486



4.5774, 1.8939, 21.2610



0.0214, 0.0094, 0.0739

Previews

White Background



This preview shows how the XYZ color 13.8670, 19.5998, 3.0523 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8670, 19.5998, 3.0523 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 × Fail

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

XYZ 13.8670, 19.5998, 3.0523

Background



This preview shows how black text looks on a background with the XYZ color 13.8670, 19.5998, 3.0523.



This preview shows how white text looks on a background with the XYZ color 13.8670, 19.5998,

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

13.8670, 19.5998, 3.0523

Protanopia

17.5642, 19.5692, 2.8515

Deuteranopia

19.7367, 19.4268, 3.5737



Tritanopia

18.3807, 19.6862, 25.0213

Trichromacy



Original Color

13.8670, 19.5998, 3.0523

Protanomaly

16.0468, 19.5387, 2.9256

Deuteranomaly

17.0374, 19.1045, 3.2415

Tritanomaly

15.6595, 19.1496, 11.4652

Monochromacy



Original Color

13.8670, 19.5998, 3.0523

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.4965, 16.4507, 8.0942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8670, 19.5998, 3.0523 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(102, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 133, 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(102, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 133, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.8670, 19.5998, 3.0523 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(102, 133, 0) }
```


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

```
.border{ border-color:rgb(102, 133, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 133, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 133,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8670, 19.5998, 3.0523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 133, 0) }
```

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

```
.background{ background-color: rgb(102,  
133, 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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