

Converting Colors

XYZ(19.5989, 31.5760, 3.3970)

Have a look what the booklet for
XYZ(19.5989, 31.5760, 3.3970)
contains.

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Color

**XYZ(19.8542, 31.5742,
5.0480)**

Conversions

Conversions Part 1

Format	Color
Hex	66AA00
RGB	102, 170, 0
RGB Percent	40%, 67%, 0%
CMY	0.6000, 0.3333, 0.9999
CMYK	0.40, 0.00, 1.00, 0.33
HSL	84°, 100%, 33%
HSV	84°, 100%, 67%
XYZ	19.8542, 31.5742, 5.0480
YIQ	130.2880, 14.0420, -67.2860

Conversions

Conversions Part 2

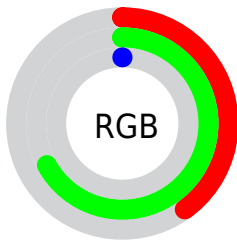
Format	Color
RYB	0, 170, 68
Decimal	6728192
CIELab	62.99, -43.80, 64.34
CIElCh	63, 77.834, 124.246
Yxy	31.5742, 0.3515, 0.5591
Android (android.graphics.Color)	4284918272 (0xFF66AA00)
YUV	130.2880, -64.2320, -24.8086
Hunter-Lab	56.1909, -35.2639, 34.0072

Details

The XYZ color **19.8542, 31.5742, 5.0480** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.6415, 4.1324, 38.3214**, and the grayscale version is **21.5387, 22.6604, 24.6772**.

A 20% lighter version of the original color is **42.7644, 62.2716, 16.4223**, and **7.3576, 13.2362, 2.1671** is the 20% darker color. If you saturate the color by 10%, you get **19.8541, 31.5752, 5.0482**, and if you desaturate by 10%, it is **20.7589, 32.0299, 5.6193**.

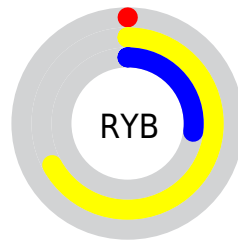
Distribution



Red (40%)

Green (67%)

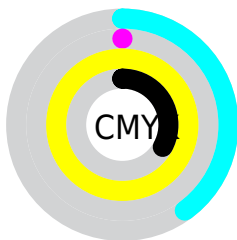
Blue (0%)



Red (0%)

Yellow (67%)

Blue (27%)

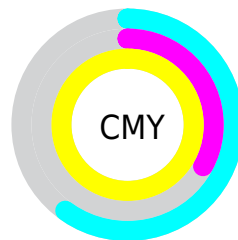


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (60%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8542, 31.5742, 5.0480 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 19.8542, 31.5742, 5.0480 by changing the saturation by 10% instead.


 19.8542, 31.5742,
5.0480


 19.8542, 31.5742,
5.0480


243.9734,
309.1750, 159.2452


 12.3968, 21.0365,
2.2162


 42.6784, 62.1430,
16.3625


 7.0886, 13.1507,
0.6837


 58.7759, 82.9428,
25.6824


 3.5644, 7.5324,
0.0000


 78.4841, 107.9321,
38.0019

 1.4588, 3.7972,
0.0000

 102.1684,
137.4954, 53.7398

 0.2975, 1.5608,
0.0000

 130.1941,
172.0169, 73.3146


 0.0000, 0.3309,
0.0000


 162.9266,


 0.0000, 0.0000,


211.8810, 97.1447


0.0000


 200.7312,
257.4723, 125.6487


 19.8542, 31.5742,
5.0480


 19.8542, 31.5742,
5.0480


 19.8541, 31.5752,
5.0482

 20.7589, 32.0299,
5.6193

 21.8140, 32.5521,
6.6481

 23.0565, 33.1570,
8.3186

 24.5035, 33.8514,
10.7141

 26.1699, 34.6416,
13.9052

■ 28.0686, 35.5328,
17.9542

■ 30.2117, 36.5299,
22.9172

■ 32.6100, 37.6376,
28.8455

■ 35.2738, 38.8599,
35.7868

Harmonies

Analogous

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



28.5122, 31.5742, 2.7343



19.8542, 31.5742, 5.0480



15.0279, 31.5742, 14.6006

Triad

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



19.8542, 31.5742, 5.0480



21.9262, 31.5742, 119.4850



55.5706, 31.5742, 30.1970

Complementary

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



19.8542, 31.5742, 5.0480



9.6415, 4.1324, 38.3214

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.



52.6264, 31.5742, 66.8779



19.8542, 31.5742, 5.0480



31.5600, 31.5742, 133.0302

Square

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



19.8542, 31.5742, 5.0480



16.0094, 31.5742, 79.3617



43.1465, 31.5742, 109.7492



50.4415, 31.5742, 10.7328

Rectangle

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



19.8542, 31.5742, 5.0480



13.8370, 31.5742, 28.8012



43.1465, 31.5742, 109.7492



55.4994, 31.5742, 40.6339

Sweetspot

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



19.8549, 31.5756, 5.0487



54.5864, 66.1714, 41.0358



18.6462, 12.6820, 1.4656



11.8079, 14.5869, 8.2913



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.



19.8549, 31.5756, 5.0487



35.7699, 57.1575, 9.1472



14.6069, 28.8701, 4.8031



7.8521, 8.6219, 8.0396



14.6684, 23.2591, 3.7163



0.4123, 0.5944, 0.0930

Inverse Universe

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



9.6415, 4.1324, 38.3214



17.2607, 7.3775, 69.5161



20.3940, 9.6755, 38.8247



7.4052, 7.4415, 9.4644



7.1510, 3.0699, 28.1911



0.2320, 0.1046, 0.6886

Previews

White Background



This preview shows how the XYZ color 19.8542, 31.5742, 5.0480 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 19.8542, 31.5742, 5.0480 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 19.8542, 31.5742, 5.0480

Background



This preview shows how black text looks on a background with the XYZ color 19.8542, 31.5742, 5.0480.



This preview shows how white text looks on a background with the XYZ color 19.8542, 31.5742,

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

19.8542, 31.5742, 5.0480

Protanopia

28.0228, 31.1144, 4.5287

Deuteranopia

31.7478, 31.1384, 5.8504



Tritanopia

27.4627, 31.4589, 43.1528

Trichromacy



Original Color

19.8542, 31.5742, 5.0480

Protanomaly

24.2522, 30.9073, 4.6875

Deuteranomaly

25.8341, 30.2113, 5.2288

Tritanomaly

22.6201, 30.5222, 19.1672

Monochromacy



Original Color

19.8542, 31.5742, 5.0480

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.4325, 24.8684, 11.9595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8542, 31.5742, 5.0480 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, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 170, 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, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 170, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.8542, 31.5742, 5.0480 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, 170, 0) }
```


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

```
.border{ border-color:rgb(102, 170, 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, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 170,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8542, 31.5742, 5.0480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 170, 0) }
```

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

```
.background{ background-color: rgb(102,  
170, 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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