

Converting Colors

XYZ(11.4719, 22.8240, 3.8009)

Have a look what the booklet for
XYZ(11.4719, 22.8240, 3.8009)
contains.

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Color

**XYZ(11.4663, 22.8212,
3.8006)**

Conversions

Conversions Part 1

Format	Color
Hex	069900
RGB	6, 153, 0
RGB Percent	2%, 60%, 0%
CMY	0.9765, 0.4000, 1.0000
CMYK	0.96, 0.00, 1.00, 0.40
HSL	118°, 100%, 30%
HSV	118°, 100%, 60%
XYZ	11.4663, 22.8212, 3.8006
YIQ	91.6050, -38.4990, -78.7470

Conversions

Conversions Part 2

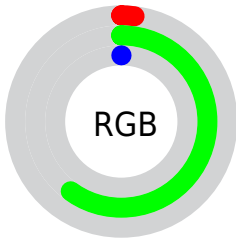
Format	Color
RYB	0, 153, 147
Decimal	432384
CIELab	54.89, -58.49, 56.86
CIELCh	55, 81.573, 135.812
Yxy	22.8212, 0.3010, 0.5992
Android (android.graphics.Color)	4278622464 (0xFF069900)
YUV	91.6050, -45.1613, -75.0756
Hunter-Lab	47.7715, -40.7560, 28.7231

Details

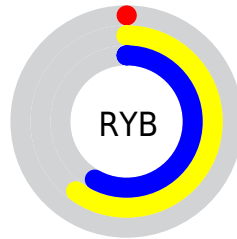
The XYZ color **11.4663, 22.8212, 3.8006** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **17.7865, 8.5052, 30.8425**, and the grayscale version is **10.1890, 10.7197, 11.6737**.

A 20% lighter version of the original color is **28.2203, 48.2673, 13.6235**, and **4.5572, 9.1143, 1.5191** is the 20% darker color. If you saturate the color by 10%, you get **11.4666, 22.8220, 3.8007**, and if you desaturate by 10%, it is **11.7831, 22.9750, 4.2773**.

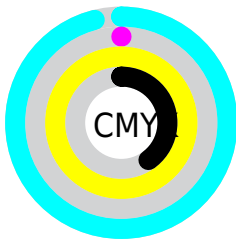
Distribution



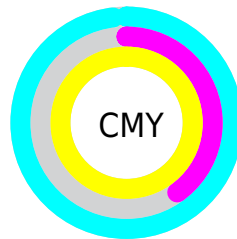
- Red (2%)
- Green (60%)
- Blue (0%)



- Red (0%)
- Yellow (60%)
- Blue (58%)



- Cyan (96%)
- Magenta (0%)
- Yellow (100%)
- Black (40%)



- Cyan (98%)
- Magenta (40%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4663, 22.8212, 3.8006 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 11.4663, 22.8212, 3.8006 by changing the saturation by 10% instead.

■ 11.4663, 22.8212,
3.8006

■ 11.4663, 22.8212,
3.8006

194.6822,
266.8053, 145.9826

■ 6.4510, 14.4615,
1.5166

■ 28.1446, 48.0996,
13.5472

■ 3.1644, 8.4424,
0.2302

■ 40.5384, 65.7871,
21.8469

■ 1.2413, 4.3793,
0.0000

■ 56.1223, 87.3526,
32.9889

■ 0.1386, 1.8879,
0.0000

■ 75.2618, 113.1807,
47.3918


■ 0.0000, 0.5411,
0.0000


■ 98.3222, 143.6556,
65.4740


■ 0.0000, 0.0000,
0.0000


■ 125.6688,


179.1617, 87.6542


 157.6670,
220.0835, 114.3509


 11.4663, 22.8212,
3.8006

 11.4663, 22.8212,
3.8006


 11.4666, 22.8220,
3.8007

 11.7831, 22.9750,
4.2773

 12.3407, 23.2447,
5.1060

 13.2035, 23.6607,
6.4469

 14.4067, 24.2398,
8.3646

 15.9808, 24.9964,
10.9141

■ 17.9527, 25.9435,
14.1441

■ 20.3471, 27.0928,
18.0986

■ 23.1864, 28.4550,
22.8178

■ 26.4917, 30.0402,
28.3389

Harmonies

Analogous

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



17.2932, 22.8212, 1.1384



11.4663, 22.8212, 3.8006



8.8315, 22.8212, 14.5397

Triad

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



11.4663, 22.8212, 3.8006



17.7053, 22.8212, 111.0288



43.0673, 22.8212, 13.6075

Complementary

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



11.4663, 22.8212, 3.8006



17.7865, 8.5052, 30.8425

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.



43.2690, 22.8212, 39.1470



11.4663, 22.8212, 3.8006



26.7773, 22.8212, 110.0416

Square

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



11.4663, 22.8212, 3.8006



11.6954, 22.8212, 80.3225



36.6849, 22.8212, 78.1622



36.1928, 22.8212, 3.5225

Rectangle

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



11.4663, 22.8212, 3.8006



8.5916, 22.8212, 30.2349



36.6849, 22.8212, 78.1622



43.9709, 22.8212, 20.1430

Sweetspot

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



11.4668, 22.8221, 3.8011



36.1580, 48.3839, 31.9476



23.3170, 27.1316, 4.0083



7.6032, 10.5008, 6.4243



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



11.4668, 22.8221, 3.8011



20.4978, 40.8510, 6.8047



12.4617, 23.2114, 9.4306



6.1534, 6.9365, 6.6204



9.4833, 18.8647, 3.1414



0.1470, 0.2847, 0.0472

Inverse Universe

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



17.7865, 8.5052, 30.8425



31.8138, 15.2111, 55.2312



14.7440, 7.4154, 9.0741



6.4373, 6.3113, 7.8079



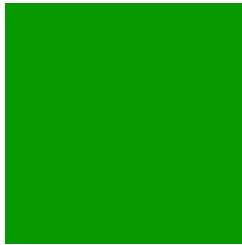
14.7061, 7.0323, 25.4900



0.2262, 0.1084, 0.3814

Previews

White Background



This preview shows how the XYZ color 11.4663, 22.8212, 3.8006 looks on a white background.

Color Contrast Check

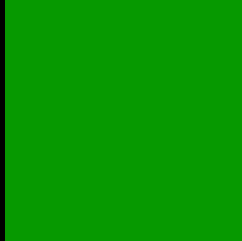
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.4663, 22.8212, 3.8006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

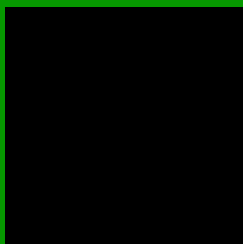
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.4663, 22.8212, 3.8006

Background



This preview shows how black text looks on a background with the XYZ color 11.4663, 22.8212, 3.8006.



This preview shows how white text looks on a background with the XYZ color 11.4663, 22.8212,

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

11.4663, 22.8212, 3.8006

Protanopia

20.1489, 22.4356, 3.2686

Deuteranopia

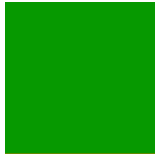
22.7920, 22.4176, 4.5646



Tritanopia

17.6201, 22.7691, 34.0380

Trichromacy



Original Color

11.4663, 22.8212, 3.8006



Protanomaly

14.0565, 20.9520, 3.3033



Deuteranomaly

14.8627, 20.5079, 3.8845



Tritanomaly

13.4797, 21.9532, 15.0822

Monochromacy



Original Color

11.4663, 22.8212, 3.8006



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

8.7312, 13.3425, 6.2528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4663, 22.8212, 3.8006 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(6, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(6, 153, 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(6, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.4663, 22.8212, 3.8006 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(6, 153, 0) }
```


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

```
.border{ border-color:rgb(6, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 153, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 153, 0); box-shadow:4px  
4px 4px 4px rgb(6, 153, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4663, 22.8212, 3.8006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 153, 0) }
```

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

```
.background{ background-color: rgb(6, 153,  
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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