

Converting Colors

XYZ(11.5200, 22.8340, 4.4754)

Have a look what the booklet for
XYZ(11.5200, 22.8340, 4.4754)
contains.

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Color

**XYZ(11.5175, 22.8330,
4.4620)**

Conversions

Conversions Part 1

Format	Color
Hex	009914
RGB	0, 153, 20
RGB Percent	0%, 60%, 8%
CMY	1.0000, 0.4000, 0.9215
CMYK	1.00, 0.00, 0.87, 0.40
HSL	128°, 100%, 30%
HSV	128°, 100%, 60%
XYZ	11.5175, 22.8330, 4.4620
YIQ	92.0910, -48.4950, -73.7990

Conversions

Conversions Part 2

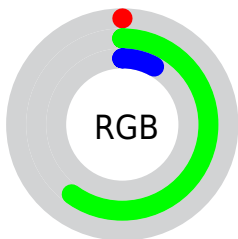
Format	Color
RYB	0, 135, 153
Decimal	39188
CIELab	54.90, -58.18, 53.29
CIELCh	55, 78.894, 137.512
Yxy	22.8330, 0.2967, 0.5883
Android (android.graphics.Color)	4278229268 (0xFF009914)
YUV	92.0910, -35.5409, -80.7638
Hunter-Lab	47.7839, -40.5974, 27.9123

Details

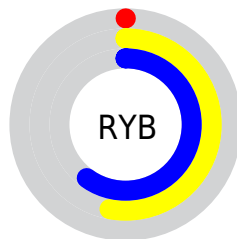
The XYZ color **11.5175, 22.8330, 4.4620** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **17.3707, 8.4659, 22.9071**, and the grayscale version is **10.2817, 10.8172, 11.7799**.

A 20% lighter version of the original color is **28.2954, 48.2748, 15.0344**, and **4.5572, 9.1143, 1.5191** is the 20% darker color. If you saturate the color by 10%, you get **11.5180, 22.8340, 4.4625**, and if you desaturate by 10%, it is **11.8725, 22.9991, 5.2750**.

Distribution



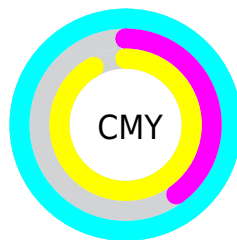
- Red (0%)
- Green (60%)
- Blue (8%)



- Red (0%)
- Yellow (53%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5175, 22.8330, 4.4620 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 11.5175, 22.8330, 4.4620 by changing the saturation by 10% instead.

■ 11.5175, 22.8330,
4.4620

■ 11.5175, 22.8330,
4.4620

195.0202,
266.8661, 153.2299

■ 6.4859, 14.4702,
1.8821

■ 28.2378, 48.1190,
15.0620

■ 3.1862, 8.4484,
0.4813

■ 40.6571, 65.8110,
23.9191

■ 1.2530, 4.3832,
0.0000

■ 56.2698, 87.3815,
35.7057

■ 0.1476, 1.8902,
0.0000

■ 75.4412, 113.2150,
50.8403


■ 0.0000, 0.5424,
0.0000


■ 98.5365, 143.6958,
69.7415


■ 0.0000, 0.0000,
0.0000


■ 125.9212,


179.2083, 92.8278


 157.9607,
220.1369, 120.5177


 11.5175, 22.8330,
4.4620


 11.5175, 22.8330,
4.4620


 11.5180, 22.8340,
4.4625

 11.8725, 22.9991,
5.2750

 12.4500, 23.2706,
6.4834

 13.3271, 23.6872,
8.1317

 14.5380, 24.2657,
10.2567

 16.1124, 25.0206,
12.8915

■ 18.0764, 25.9649,
16.0661

■ 20.4539, 27.1102,
19.8084

■ 23.2669, 28.4672,
24.1440

■ 26.5356, 30.0461,
29.0973

Harmonies

Analogous

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



17.0272, 22.8330, 1.4134



11.5175, 22.8330, 4.4620



9.0806, 22.8330, 15.8375

Triad

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



11.5175, 22.8330, 4.4620



18.2667, 22.8330, 107.6937



42.0010, 22.8330, 13.0076

Complementary

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



11.5175, 22.8330, 4.4620



17.3707, 8.4659, 22.9071

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.



42.5960, 22.8330, 36.7903



11.5175, 22.8330, 4.4620



27.1627, 22.8330, 104.8177

Square

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



11.5175, 22.8330, 4.4620



12.2140, 22.8330, 79.9319



36.6058, 22.8330, 73.6071



35.1493, 22.8330, 3.5784

Rectangle

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



11.5175, 22.8330, 4.4620



8.9396, 22.8330, 31.7002



36.6058, 22.8330, 73.6071



42.9945, 22.8330, 19.0843

Sweetspot

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



11.5180, 22.8340, 4.4625



36.3554, 48.4172, 35.0466



21.4079, 27.9470, 4.2660



7.6496, 10.5088, 7.1470



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.



11.5180, 22.8340, 4.4625



20.5870, 40.8755, 7.7826



13.4279, 23.5979, 14.5198



6.1634, 6.9381, 6.7840



9.5266, 18.8741, 3.7279



0.1499, 0.2852, 0.0950

Inverse Universe

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



17.3707, 8.4659, 22.9071



31.0589, 15.1413, 40.7651



13.9178, 7.0847, 4.7243



6.4265, 6.3097, 7.6258



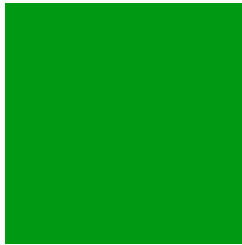
14.3647, 7.0001, 18.9771



0.2232, 0.1080, 0.3282

Previews

White Background



This preview shows how the XYZ color 11.5175, 22.8330, 4.4620 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 11.5175, 22.8330, 4.4620 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 11.5175, 22.8330, 4.4620

Background



This preview shows how black text looks on a background with the XYZ color 11.5175, 22.8330, 4.4620.



This preview shows how white text looks on a background with the XYZ color 11.5175, 22.8330,

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

11.5175, 22.8330, 4.4620

Protanopia

20.2153, 22.4622, 3.6180

Deuteranopia

22.8673, 22.4478, 4.9613



Tritanopia

17.6201, 22.7691, 34.0380

Trichromacy



Original Color

11.5175, 22.8330, 4.4620



Protanomaly

13.9349, 20.8794, 3.7476



Deuteranomaly

14.6202, 20.3699, 4.4575



Tritanomaly

13.7431, 22.0491, 16.8962

Monochromacy



Original Color

11.5175, 22.8330, 4.4620



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

8.8043, 13.3578, 7.2685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5175, 22.8330, 4.4620 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(0, 153, 20)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 20)  
}
```

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(0, 153, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 20) }
```

Border

The CSS property to change the border of an element to XYZ 11.5175, 22.8330, 4.4620 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(0, 153, 20) }
```


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

```
.border{ border-color:rgb(0, 153, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 20);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 20)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.5175, 22.8330, 4.4620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 20) }
```

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

```
.background{ background-color: rgb(0, 153,  
20) }
```

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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