

Converting Colors

XYZ(11.6016, 22.9298, 4.8500)

Have a look what the booklet for
XYZ(11.6016, 22.9298, 4.8500)
contains.

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Color

**XYZ(11.5891, 22.8616,
4.8388)**

Conversions

Conversions Part 1

Format	Color
Hex	00991B
RGB	0, 153, 27
RGB Percent	0%, 60%, 11%
CMY	1.0000, 0.4000, 0.8941
CMYK	1.00, 0.00, 0.82, 0.40
HSL	131°, 100%, 30%
HSV	131°, 100%, 60%
XYZ	11.5891, 22.8616, 4.8388
YIQ	92.8890, -50.7420, -71.6220

Conversions

Conversions Part 2

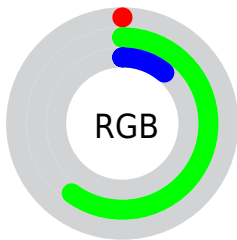
Format	Color
RYB	0, 130, 153
Decimal	39195
CIELab	54.93, -57.79, 51.45
CIELCh	55, 77.378, 138.323
Yxy	22.8616, 0.2950, 0.5819
Android (android.graphics.Color)	4278229275 (0xFF00991B)
YUV	92.8890, -32.4833, -81.4637
Hunter-Lab	47.8138, -40.4094, 27.4695

Details

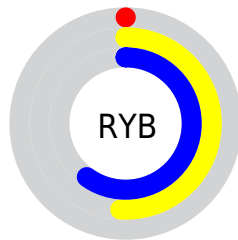
The XYZ color **11.5891, 22.8616, 4.8388** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.9035, 8.2791, 20.4466**, and the grayscale version is **10.4613, 11.0061, 11.9857**.

A 20% lighter version of the original color is **28.4816, 48.3493, 16.0148**, and **4.5572, 9.1143, 1.5191** is the 20% darker color. If you saturate the color by 10%, you get **11.5895, 22.8625, 4.8390**, and if you desaturate by 10%, it is **11.9700, 23.0380, 5.7884**.

Distribution



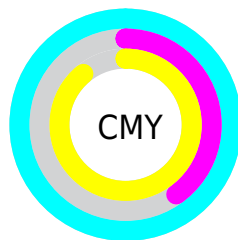
- Red (0%)
- Green (60%)
- Blue (11%)



- Red (0%)
- Yellow (51%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5891, 22.8616, 4.8388 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 11.5891, 22.8616, 4.8388 by changing the saturation by 10% instead.

■ 11.5891, 22.8616,
4.8388

■ 11.5891, 22.8616,
4.8388

195.4917,
267.0133, 157.1365

■ 6.5347, 14.4913,
2.0959

■ 28.3679, 48.1660,
15.9022

■ 3.2166, 8.4632,
0.6133

■ 40.8230, 65.8689,
25.0599

■ 1.2693, 4.3927,
0.0000

■ 56.4758, 87.4515,
37.1928

■ 0.1601, 1.8956,
0.0000

■ 75.6916, 113.2981,
52.7197

■ 0.0000, 0.5457,
0.0000

■ 98.8357, 143.7933,
72.0589

■ 0.0000, 0.0000,
0.0000

■ 126.2735,

179.3212, 95.6291

158.3704,
220.2665, 123.8488

■ 11.5891, 22.8616,
4.8388

■ 11.5891, 22.8616,
4.8388

■ 11.5895, 22.8625,
4.8390

■ 11.9700, 23.0380,
5.7884

■ 12.5694, 23.3184,
7.1116

■ 13.4627, 23.7414,
8.8446

■ 14.6828, 24.3236,
11.0176

■ 16.2583, 25.0790,
13.6581

■ 18.2145, 26.0201,
16.7910

■ 20.5744, 27.1584,
20.4398

■ 23.3591, 28.5042,
24.6261

■ 26.5883, 30.0672,
29.3707

Harmonies

Analogous

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



16.9442, 22.8616, 1.5854



11.5891, 22.8616, 4.8388



9.2460, 22.8616, 16.5018

Triad

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



11.5891, 22.8616, 4.8388



18.5583, 22.8616, 105.7590



41.4555, 22.8616, 12.7968

Complementary

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



11.5891, 22.8616, 4.8388



16.9035, 8.2791, 20.4466

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.



42.2217, 22.8616, 35.7322



11.5891, 22.8616, 4.8388



27.3397, 22.8616, 102.0830

Square

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



11.5891, 22.8616, 4.8388



12.5016, 22.8616, 79.4900



36.5284, 22.8616, 71.3822



34.6492, 22.8616, 3.6518

Rectangle

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



11.5891, 22.8616, 4.8388



9.1514, 22.8616, 32.3779



36.5284, 22.8616, 71.3822



42.4833, 22.8616, 18.6599

Sweetspot

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



11.5896, 22.8625, 4.8393



36.5721, 48.5039, 36.1877



20.2192, 27.3341, 4.2105



7.7005, 10.5292, 7.4152



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.



11.5896, 22.8625, 4.8393



20.7053, 40.9228, 8.4056



13.7902, 23.7428, 16.4273



6.1745, 6.9425, 6.8421



9.5874, 18.8984, 4.0481



0.1531, 0.2864, 0.1118

Inverse Universe

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



16.9035, 8.2791, 20.4466



30.2094, 14.8015, 36.2917



13.7351, 7.0117, 3.7620



6.4144, 6.3049, 7.5625



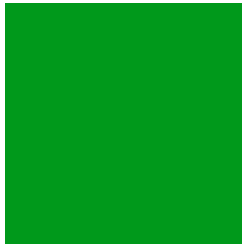
13.9807, 6.8465, 16.9554



0.2199, 0.1067, 0.3106

Previews

White Background



This preview shows how the XYZ color 11.5891, 22.8616, 4.8388 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 11.5891, 22.8616, 4.8388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

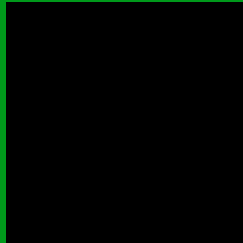
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.5891, 22.8616, 4.8388

Background



This preview shows how black text looks on a background with the XYZ color 11.5891, 22.8616, 4.8388.



This preview shows how white text looks on a background with the XYZ color 11.5891, 22.8616,

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

11.5891, 22.8616, 4.8388

Protanopia

20.2843, 22.4898, 3.9813

Deuteranopia

22.9354, 22.4750, 5.3198



Tritanopia

17.6201, 22.7691, 34.0380

Trichromacy



Original Color

11.5891, 22.8616, 4.8388



Protanomaly

14.0034, 20.9068, 4.1080



Deuteranomaly

14.7068, 20.4046, 4.9136



Tritanomaly

13.9001, 22.1119, 17.7228

Monochromacy



Original Color

11.5891, 22.8616, 4.8388



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

9.0085, 13.6209, 7.7845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5891, 22.8616, 4.8388 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 27) }
```

Border

The CSS property to change the border of an element to XYZ 11.5891, 22.8616, 4.8388 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, 27) }
```


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

```
.border{ border-color:rgb(0, 153, 27) }
```

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, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 27);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 27)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.5891, 22.8616, 4.8388 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, 27) }
```

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

```
.background{ background-color: rgb(0, 153,  
27) }
```

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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