

Converting Colors

XYZ(11.6636, 22.8914, 5.2311)

Have a look what the booklet for
XYZ(11.6636, 22.8914, 5.2311)
contains.

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Color

**XYZ(11.6657, 22.8923,
5.2426)**

Conversions

Conversions Part 1

Format	Color
Hex	009921
RGB	0, 153, 33
RGB Percent	0%, 60%, 13%
CMY	1.0000, 0.4000, 0.8706
CMYK	1.00, 0.00, 0.78, 0.40
HSL	133°, 100%, 30%
HSV	133°, 100%, 60%
XYZ	11.6657, 22.8923, 5.2426
YIQ	93.5730, -52.6680, -69.7560

Conversions

Conversions Part 2

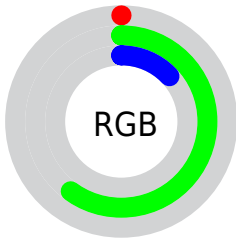
Format	Color
RYB	0, 126, 153
Decimal	39201
CIELab	54.96, -57.39, 49.59
CIELCh	55, 75.842, 139.170
Yxy	22.8923, 0.2931, 0.5752
Android (android.graphics.Color)	4278229281 (0xFF009921)
YUV	93.5730, -29.8625, -82.0635
Hunter-Lab	47.8459, -40.2088, 26.9956

Details

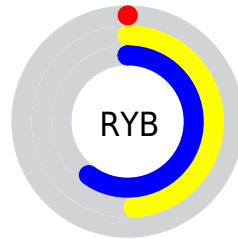
The XYZ color **11.6657, 22.8923, 5.2426** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **16.5275, 8.1286, 18.4668**, and the grayscale version is **10.6161, 11.1689, 12.1630**.

A 20% lighter version of the original color is **28.6406, 48.4129, 16.8519**, and **4.5572, 9.1143, 1.5191** is the 20% darker color. If you saturate the color by 10%, you get **11.6663, 22.8933, 5.2431**, and if you desaturate by 10%, it is **12.0674, 23.0770, 6.3013**.

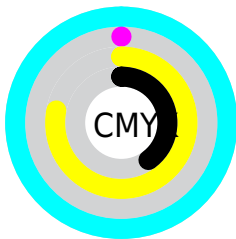
Distribution



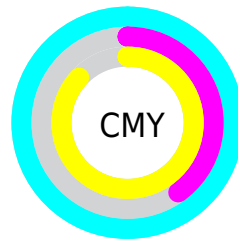
- Red (0%)
- Green (60%)
- Blue (13%)



- Red (0%)
- Yellow (49%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (40%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.6657, 22.8923, 5.2426 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 11.6657, 22.8923, 5.2426 by changing the saturation by 10% instead.


 11.6657, 22.8923,
5.2426


 11.6657, 22.8923,
5.2426


195.9949,
267.1713, 161.1714


 6.5870, 14.5140,
2.3291


 28.5069, 48.2164,
16.7870


 3.2492, 8.4790,
0.7474


 41.0002, 65.9310,
26.2550


 1.2869, 4.4030,
0.0000

 56.6958, 87.5266,
38.7448

 0.1734, 1.9014,
0.0000

 75.9589, 113.3874,
54.6751

 0.0000, 0.5492,
0.0000

 99.1551, 143.8978,
74.4643

 0.0000, 0.0000,
0.0000

 126.6495,

179.4424, 98.5311

158.8077,
220.4054, 127.2939

■ 11.6657, 22.8923,
5.2426

■ 11.6657, 22.8923,
5.2426

■ 11.6663, 22.8933,
5.2431

■ 12.0674, 23.0770,
6.3013

■ 12.6835, 23.3640,
7.7126

■ 13.5883, 23.7917,
9.5069

■ 14.8139, 24.3761,
11.7096

■ 16.3882, 25.1309,
14.3438

■ 18.3356, 26.0686,
17.4309

■ 20.6785, 27.2000,
20.9909

■ 23.4375, 28.5355,
25.0426

■ 26.6318, 30.0846,
29.6038

Harmonies

Analogous

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



16.8646, 22.8923, 1.7748



11.6657, 22.8923, 5.2426



9.4186, 22.8923, 17.1910

Triad

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



11.6657, 22.8923, 5.2426



18.8567, 22.8923, 103.8000



40.9065, 22.8923, 12.5927

Complementary

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



11.6657, 22.8923, 5.2426



16.5275, 8.1286, 18.4668

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.



41.8415, 22.8923, 34.6896



11.6657, 22.8923, 5.2426



27.5177, 22.8923, 99.3492

Square

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



11.6657, 22.8923, 5.2426



12.7989, 22.8923, 79.0227



36.4466, 22.8923, 69.1760



34.1492, 22.8923, 3.7310

Rectangle

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



11.6657, 22.8923, 5.2426



9.3720, 22.8923, 33.0665



36.4466, 22.8923, 69.1760



41.9676, 22.8923, 18.2446

Sweetspot

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



11.6663, 22.8933, 5.2431



36.7621, 48.5800, 37.1886



19.4749, 26.9505, 4.1755



7.7454, 10.5471, 7.6514



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.



11.6663, 22.8933, 5.2431



20.8347, 40.9746, 9.0871



14.0509, 23.8471, 17.8005



6.1840, 6.9463, 6.8923



9.6522, 18.9244, 4.3894



0.1558, 0.2875, 0.1263

Inverse Universe

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



16.5275, 8.1286, 18.4668



29.5270, 14.5286, 32.6985



13.6286, 6.9691, 3.2014



6.4041, 6.3008, 7.5083



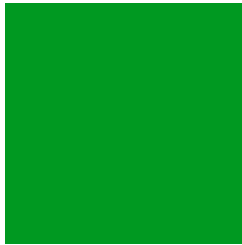
13.6717, 6.7229, 15.3280



0.2171, 0.1056, 0.2961

Previews

White Background



This preview shows how the XYZ color 11.6657, 22.8923, 5.2426 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 11.6657, 22.8923, 5.2426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

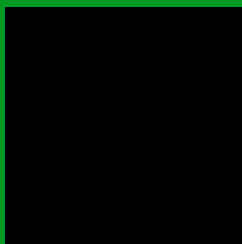
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.6657, 22.8923, 5.2426

Background



This preview shows how black text looks on a background with the XYZ color 11.6657, 22.8923, 5.2426.



This preview shows how white text looks on a background with the XYZ color 11.6657, 22.8923,

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

11.6657, 22.8923, 5.2426

Protanopia

20.3468, 22.5148, 4.3103

Deuteranopia

22.8051, 22.3991, 5.7063



Tritanopia

17.7051, 23.0348, 34.0848

Trichromacy



Original Color

11.6657, 22.8923, 5.2426



Protanomaly

14.0705, 20.9336, 4.4614



Deuteranomaly

14.7731, 20.4311, 5.2628



Tritanomaly

14.1233, 22.4443, 18.3397

Monochromacy



Original Color

11.6657, 22.8923, 5.2426



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

9.1639, 13.6900, 8.2903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6657, 22.8923, 5.2426 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, 33)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 33) }
```

Border

The CSS property to change the border of an element to XYZ 11.6657, 22.8923, 5.2426 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, 33) }
```


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

```
.border{ border-color:rgb(0, 153, 33) }
```

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, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 33);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 33)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.6657, 22.8923, 5.2426 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, 33) }
```

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

```
.background{ background-color: rgb(0, 153,  
33) }
```

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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