

Converting Colors

XYZ(12.1217, 23.7496, 5.5630)

Have a look what the booklet for
XYZ(12.1217, 23.7496, 5.5630)
contains.

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Color

**XYZ(12.1918, 23.8983,
5.5604)**

Conversions

Conversions Part 1

Format	Color
Hex	009C23
RGB	0, 156, 35
RGB Percent	0%, 61%, 14%
CMY	1.0000, 0.3882, 0.8627
CMYK	1.00, 0.00, 0.78, 0.39
HSL	133°, 100%, 31%
HSV	133°, 100%, 61%
XYZ	12.1918, 23.8983, 5.5604
YIQ	95.5620, -54.1350, -70.7030

Conversions

Conversions Part 2

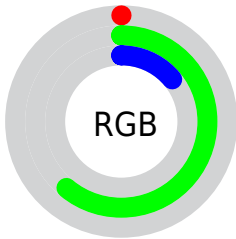
Format	Color
RYB	0, 127, 156
Decimal	39971
CIELab	55.99, -58.12, 49.91
CIELCh	56, 76.612, 139.346
Yxy	23.8983, 0.2927, 0.5738
Android (android.graphics.Color)	4278230051 (0xFF009C23)
YUV	95.5620, -29.8571, -83.8079
Hunter-Lab	48.8859, -41.0336, 27.4763

Details

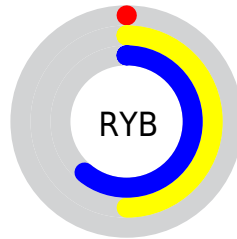
The XYZ color **12.1918, 23.8983, 5.5604** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **17.1619, 8.4486, 18.8146**, and the grayscale version is **11.0920, 11.6696, 12.7082**.

A 20% lighter version of the original color is **29.4665, 49.9321, 17.5360**, and **4.8502, 9.7005, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **12.1924, 23.8993, 5.5609**, and if you desaturate by 10%, it is **12.6111, 24.0907, 6.6857**.

Distribution



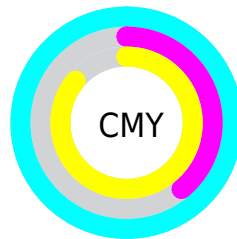
- Red (0%)
- Green (61%)
- Blue (14%)



- Red (0%)
- Yellow (50%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1918, 23.8983, 5.5604 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 12.1918, 23.8983, 5.5604 by changing the saturation by 10% instead.


 12.1918, 23.8983,
5.5604


 12.1918, 23.8983,
5.5604


199.4150,
272.3059, 164.2485


 6.9476, 15.2582,
2.5152


 29.4578, 49.8642,
17.4730


 3.4754, 9.0008,
0.8482


 42.2102, 67.9588,
27.1776


 1.4098, 4.7417,
0.0000

 58.1962, 89.9736,
39.9391

 0.2632, 2.0965,
0.0000

 77.7809, 116.2932,
56.1759

 0.0000, 0.6627,
0.0000

 101.3298,
147.3018, 76.3068

 0.0000, 0.0000,
0.0000

 129.2082,

183.3838, 100.7501

161.7815,
224.9237, 129.9245

■ 12.1918, 23.8983,
5.5604

■ 12.1918, 23.8983,
5.5604

■ 12.1924, 23.8993,
5.5609

■ 12.6111, 24.0907,
6.6857

■ 13.2548, 24.3903,
8.1748

■ 14.1992, 24.8364,
10.0581

■ 15.4778, 25.4459,
12.3615

■ 17.1195, 26.2331,
15.1082

■ 19.1501, 27.2109,
18.3200

■ 21.5927, 28.3909,
22.0171

■ 24.4690, 29.7836,
26.2185

■ 27.7988, 31.3991,
30.9423

Harmonies

Analogous

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



17.5844, 23.8983, 1.8947



12.1918, 23.8983, 5.5604



9.8672, 23.8983, 18.0903

Triad

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



12.1918, 23.8983, 5.5604



19.7437, 23.8983, 107.9131



42.5755, 23.8983, 13.1003

Complementary

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



12.1918, 23.8983, 5.5604



17.1619, 8.4486, 18.8146

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.



43.5867, 23.8983, 35.9855



12.1918, 23.8983, 5.5604



28.7566, 23.8983, 103.1077

Square

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



12.1918, 23.8983, 5.5604



13.4218, 23.8983, 82.3695



38.0195, 23.8983, 71.7314



35.5340, 23.8983, 3.9115

Rectangle

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



12.1918, 23.8983, 5.5604



9.8289, 23.8983, 34.6567



38.0195, 23.8983, 71.7314



43.6898, 23.8983, 18.9544

Sweetspot

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



12.1924, 23.8993, 5.5609



38.9319, 51.4259, 39.5637



19.9437, 27.9303, 4.3399



8.1698, 11.1241, 8.1106



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



12.1924, 23.8993, 5.5609



22.0816, 43.3812, 9.7712



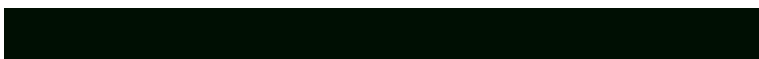
14.8026, 24.9434, 19.3059



6.6087, 7.4242, 7.3739



10.0538, 19.6894, 4.6401



0.1939, 0.3577, 0.1574

Inverse Universe

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



17.1619, 8.4486, 18.8146



31.0928, 15.3137, 33.7663



14.1693, 7.2516, 3.0556



6.8404, 6.7291, 8.0107



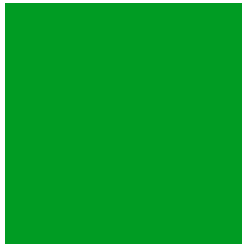
14.1490, 6.9642, 15.5674



0.2675, 0.1303, 0.3546

Previews

White Background



This preview shows how the XYZ color 12.1918, 23.8983, 5.5604 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 12.1918, 23.8983, 5.5604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

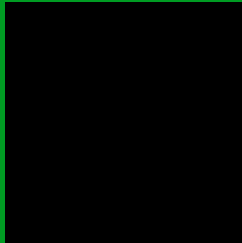
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.1918, 23.8983, 5.5604

Background



This preview shows how black text looks on a background with the XYZ color 12.1918, 23.8983, 5.5604.



This preview shows how white text looks on a background with the XYZ color 12.1918, 23.8983,

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

12.1918, 23.8983, 5.5604

Protanopia

21.3245, 23.6229, 4.5982

Deuteranopia

24.0592, 23.6076, 6.0850



Tritanopia

18.3912, 23.8089, 35.5246

Trichromacy



Original Color

12.1918, 23.8983, 5.5604



Protanomaly

14.6396, 21.8778, 4.7476



Deuteranomaly

15.4684, 21.4155, 5.6038



Tritanomaly

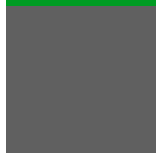
14.6425, 23.1586, 19.3211

Monochromacy



Original Color

12.1918, 23.8983, 5.5604



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.6389, 14.4434, 8.7584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1918, 23.8983, 5.5604 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, 156, 35)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 35)  
}
```

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, 156, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 35) }
```

Border

The CSS property to change the border of an element to XYZ 12.1918, 23.8983, 5.5604 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, 156, 35) }
```


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

```
.border{ border-color:rgb(0, 156, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 35);  
box-shadow:4px 4px 4px 4px rgb(0, 156, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1918, 23.8983, 5.5604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 35) }
```

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

```
.background{ background-color: rgb(0, 156,  
35) }
```

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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