

Converting Colors

XYZ(12.0248, 23.9025, 5.6333)

Have a look what the booklet for
XYZ(12.0248, 23.9025, 5.6333)
contains.

XYZ(12.2069, 23.9043, 5.6397)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.2069, 23.9043,
5.6397)**

Conversions

Conversions Part 1

Format	Color
Hex	009C24
RGB	0, 156, 36
RGB Percent	0%, 61%, 14%
CMY	1.0000, 0.3882, 0.8588
CMYK	1.00, 0.00, 0.77, 0.39
HSL	134°, 100%, 31%
HSV	134°, 100%, 61%
XYZ	12.2069, 23.9043, 5.6397
YIQ	95.6760, -54.4560, -70.3920

Conversions

Conversions Part 2

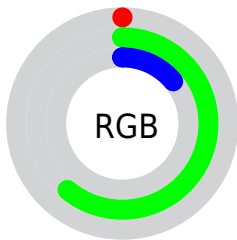
Format	Color
RYB	0, 127, 156
Decimal	39972
CIELab	55.99, -58.04, 49.57
CIELCh	56, 76.331, 139.501
Yxy	23.9043, 0.2924, 0.5725
Android (android.graphics.Color)	4278230052 (0xFF009C24)
YUV	95.6760, -29.4203, -83.9079
Hunter-Lab	48.8920, -40.9948, 27.3853

Details

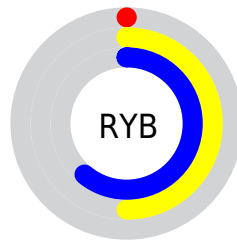
The XYZ color **12.2069, 23.9043, 5.6397** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.1010, 8.4243, 18.4937**, and the grayscale version is **11.1187, 11.6977, 12.7388**.

A 20% lighter version of the original color is **29.5088, 49.9490, 17.7587**, and **4.8502, 9.7005, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **12.2074, 23.9053, 5.6402**, and if you desaturate by 10%, it is **12.6295, 24.0980, 6.7826**.

Distribution



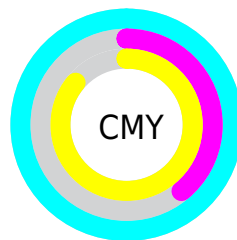
- Red (0%)
- Green (61%)
- Blue (14%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (39%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2069, 23.9043, 5.6397 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 12.2069, 23.9043, 5.6397 by changing the saturation by 10% instead.


 12.2069, 23.9043,
5.6397


 12.2069, 23.9043,
5.6397


199.5123,
272.3363, 165.0039


 6.9579, 15.2626,
2.5620


 29.4850, 49.8740,
17.6429


 3.4819, 9.0039,
0.8728


 42.2448, 67.9708,
27.4056


 1.4134, 4.7437,
0.0000

 58.2390, 89.9881,
40.2336

 0.2658, 2.0977,
0.0000

 77.8328, 116.3104,
56.5456

 0.0000, 0.6633,
0.0000

 101.3917,
147.3219, 76.7601

 0.0000, 0.0000,
0.0000

 129.2811,

183.4072, 101.2956

161.8661,
224.9505, 130.5707

■ 12.2069, 23.9043,
5.6397

■ 12.2069, 23.9043,
5.6397

■ 12.2074, 23.9053,
5.6402

■ 12.6295, 24.0980,
6.7826

■ 13.2758, 24.3986,
8.2853

■ 14.2220, 24.8455,
10.1777

■ 15.5013, 25.4552,
12.4848

■ 17.1426, 26.2423,
15.2291

■ 19.1714, 27.2194,
18.4320

■ 21.6110, 28.3981,
22.1130

■ 24.4828, 29.7891,
26.2907

■ 27.8066, 31.4022,
30.9828

Harmonies

Analogous

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



17.5702, 23.9043, 1.9328



12.2069, 23.9043, 5.6397



9.9005, 23.9043, 18.2221

Triad

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



12.2069, 23.9043, 5.6397



19.8002, 23.9043, 107.5440



42.4727, 23.9043, 13.0635

Complementary

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



12.2069, 23.9043, 5.6397



17.1010, 8.4243, 18.4937

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.



43.5148, 23.9043, 35.7941



12.2069, 23.9043, 5.6397



28.7896, 23.9043, 102.5987

Square

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



12.2069, 23.9043, 5.6397



13.4785, 23.9043, 82.2777



38.0033, 23.9043, 71.3238



35.4410, 23.9043, 3.9272

Rectangle

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



12.2069, 23.9043, 5.6397



9.8714, 23.9043, 34.7859



38.0033, 23.9043, 71.3238



43.5930, 23.9043, 18.8788

Sweetspot

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



12.2075, 23.9053, 5.6402



38.9653, 51.4393, 39.7395



19.9437, 27.9302, 4.3400



8.1777, 11.1273, 8.1521



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.



12.2075, 23.9053, 5.6402



22.1076, 43.3916, 9.9082



14.8026, 24.9433, 19.3060



6.6104, 7.4249, 7.3828



10.0664, 19.6945, 4.7065



0.1944, 0.3579, 0.1602

Inverse Universe

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



17.1010, 8.4243, 18.4937



30.9807, 15.2689, 33.1762



14.1693, 7.2516, 3.0557



6.8386, 6.7284, 8.0013



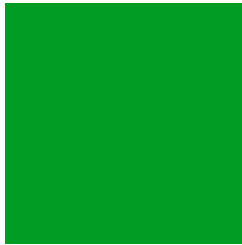
14.0990, 6.9442, 15.3044



0.2669, 0.1301, 0.3515

Previews

White Background



This preview shows how the XYZ color 12.2069, 23.9043, 5.6397 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 12.2069, 23.9043, 5.6397 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 12.2069, 23.9043, 5.6397

Background



This preview shows how black text looks on a background with the XYZ color 12.2069, 23.9043, 5.6397.



This preview shows how white text looks on a background with the XYZ color 12.2069, 23.9043,

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

12.2069, 23.9043, 5.6397

Protanopia

21.3371, 23.6280, 4.6644

Deuteranopia

24.0592, 23.6076, 6.0850



Tritanopia

18.3256, 23.7751, 35.5215

Trichromacy



Original Color

12.2069, 23.9043, 5.6397



Protanomaly

14.6530, 21.8832, 4.8181



Deuteranomaly

15.4870, 21.4230, 5.7017



Tritanomaly

14.6425, 23.1586, 19.3211

Monochromacy



Original Color

12.2069, 23.9043, 5.6397



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 12.2069, 23.9043, 5.6397 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, 36)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 36)  
}
```

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, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 36) }
```

Border

The CSS property to change the border of an element to XYZ 12.2069, 23.9043, 5.6397 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, 36) }
```


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

```
.border{ border-color:rgb(0, 156, 36) }
```

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, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 36);  
box-shadow:4px 4px 4px 4px rgb(0, 156, 36)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2069, 23.9043, 5.6397 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, 36) }
```

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

```
.background{ background-color: rgb(0, 156,  
36) }
```

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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