

Converting Colors

XYZ(12.6758, 23.9320, 8.1361)

Have a look what the booklet for
XYZ(12.6758, 23.9320, 8.1361)
contains.

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Color

**XYZ(12.6109, 23.8101,
8.0688)**

Conversions

Conversions Part 1

Format	Color
Hex	089B3B
RGB	8, 155, 59
RGB Percent	3%, 61%, 23%
CMY	0.9686, 0.3921, 0.7686
CMYK	0.95, 0.00, 0.62, 0.39
HSL	141°, 90%, 32%
HSV	141°, 95%, 61%
XYZ	12.6109, 23.8101, 8.0688
YIQ	100.1030, -56.7960, -61.0200

Conversions

Conversions Part 2

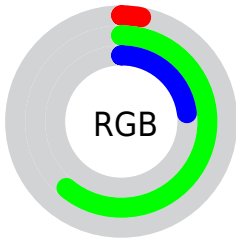
Format	Color
RYB	8, 117, 155
Decimal	564027
CIELab	55.90, -54.88, 39.95
CIELCh	56, 67.885, 143.946
Yxy	23.8101, 0.2835, 0.5352
Android (android.graphics.Color)	4278754107 (0xFF089B3B)
YUV	100.1030, -20.2638, -80.7743
Hunter-Lab	48.7956, -39.2601, 24.3528

Details

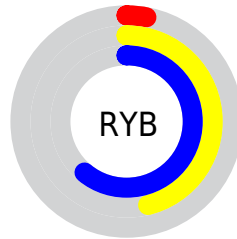
The XYZ color **12.6109, 23.8101, 8.0688** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **16.1038, 8.1421, 13.8202**, and the grayscale version is **12.2005, 12.8359, 13.9783**.

A 20% lighter version of the original color is **30.3252, 49.8880, 22.7829**, and **4.7733, 9.5115, 1.6992** is the 20% darker color. If you saturate the color by 10%, you get **12.3824, 23.7079, 7.3861**, and if you desaturate by 10%, it is **13.1649, 24.0630, 9.6014**.

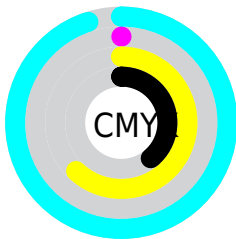
Distribution



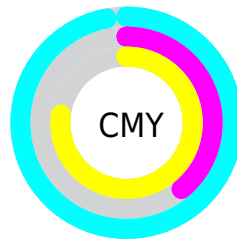
- Red (3%)
- Green (61%)
- Blue (23%)



- Red (3%)
- Yellow (46%)
- Blue (61%)



- Cyan (95%)
- Magenta (0%)
- Yellow (62%)
- Black (39%)





- Cyan (97%)
- Magenta (39%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.6109, 23.8101, 8.0688 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 12.6109, 23.8101, 8.0688 by changing the saturation by 10% instead.


 12.6109, 23.8101,
8.0688


 12.6109, 23.8101,
8.0688


202.0971,
271.8590, 186.2254


 7.2363, 15.1928,
4.0506


 30.2103, 49.7201,
22.6416


 3.6580, 8.9548,
1.6531


 43.1657, 67.7817,
34.0333


 1.5105, 4.7117,
0.3283

 59.3789, 89.7601,
48.7199

 0.3330, 2.0791,
0.0000

 79.2150, 116.0397,
67.1199

 0.0000, 0.6529,
0.0000

 103.0396,
147.0051, 89.6519

 0.0000, 0.0000,
0.0000

 131.2179,

183.0405, 116.7345

164.1153,
224.5303, 148.7861

■ 12.6109, 23.8101,
8.0688

■ 12.6109, 23.8101,
8.0688

■ 12.3824, 23.7079,
7.3861

■ 13.1649, 24.0630,
9.6014

■ 13.9790, 24.4432,
11.4258

■ 15.0891, 24.9694,
13.5573

■ 16.5236, 25.6562,
16.0096

■ 18.3076, 26.5160,
18.7956

■ 20.4634, 27.5603,
21.9273

■ 23.0115, 28.7993,
25.4162

■ 25.9707, 30.2425,
29.2732

■ 29.3588, 31.8989,
33.5088

Harmonies

Analogous

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



17.1154, 23.8101, 3.2309



12.6109, 23.8101, 8.0688



10.8293, 23.8101, 21.6873

Triad

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



12.6109, 23.8101, 8.0688



21.0982, 23.8101, 95.5332



39.1256, 23.8101, 12.1958

Complementary

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



12.6109, 23.8101, 8.0688



16.1038, 8.1421, 13.8202

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.



40.8755, 23.8101, 30.6820



12.6109, 23.8101, 8.0688



29.2195, 23.8101, 87.5853

Square

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



12.6109, 23.8101, 8.0688



14.9577, 23.8101, 77.8551



36.9093, 23.8101, 59.9410



32.5608, 23.8101, 4.4863

Rectangle

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



12.6109, 23.8101, 8.0688



11.0481, 23.8101, 37.6044



36.9093, 23.8101, 59.9410



40.3506, 23.8101, 16.9554

Sweetspot

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



12.6115, 23.8111, 8.0693



39.4329, 50.7097, 43.1228



17.7098, 26.5255, 4.4163



8.5122, 11.2770, 9.1925



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.



12.6115, 23.8111, 8.0693



22.0938, 42.4242, 12.8006



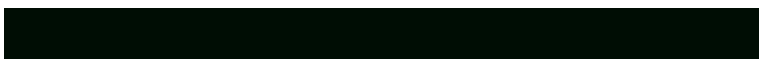
15.8851, 25.1205, 25.3080



6.2162, 6.9592, 7.0620



9.9618, 19.0482, 6.0197



0.1650, 0.2912, 0.1745

Inverse Universe

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



16.1038, 8.1421, 13.8202



28.3433, 14.1339, 22.9061



13.8726, 7.2496, 2.0707



6.3701, 6.2872, 7.3292



12.7714, 6.3628, 10.5869



0.2079, 0.1019, 0.2478

Previews

White Background



This preview shows how the XYZ color 12.6109, 23.8101, 8.0688 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 12.6109, 23.8101, 8.0688 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 12.6109, 23.8101, 8.0688

Background



This preview shows how black text looks on a background with the XYZ color 12.6109, 23.8101, 8.0688.



This preview shows how white text looks on a background with the XYZ color 12.6109, 23.8101,

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

12.6109, 23.8101, 8.0688

Protanopia

21.2429, 23.3280, 6.7513

Deuteranopia

23.9123, 23.4765, 8.5813



Tritanopia

18.1978, 23.7093, 35.5155

Trichromacy



Original Color

12.6109, 23.8101, 8.0688



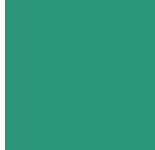
Protanomaly

15.1442, 21.8670, 7.0370



Deuteranomaly

15.9345, 21.3873, 8.1388



Tritanomaly

15.1535, 23.3676, 21.8009

Monochromacy



Original Color

12.6109, 23.8101, 8.0688



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

10.6709, 15.2821, 10.9817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6109, 23.8101, 8.0688 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(8, 155, 59)` looks like.

```
.text, #text, p{  
    color:rgb(8, 155, 59)  
}
```

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(8, 155, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 155, 59) }
```

Border

The CSS property to change the border of an element to XYZ 12.6109, 23.8101, 8.0688 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(8, 155, 59) }
```


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

```
.border{ border-color:rgb(8, 155, 59) }
```

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

Here you see how a box with a 4 pixel rgb(8, 155, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 155, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 155, 59);  
box-shadow:4px 4px 4px 4px rgb(8, 155, 59)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6109, 23.8101, 8.0688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 155, 59) }
```

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

```
.background{ background-color: rgb(8, 155,  
59) }
```

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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