

Converting Colors

XYZ(13.1949, 23.6884, 11.7396)

Have a look what the booklet for
XYZ(13.1949, 23.6884, 11.7396)
contains.

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Color

**XYZ(13.2378, 23.8068,
11.6821)**

Conversions

Conversions Part 1

Format	Color
Hex	0F9A51
RGB	15, 154, 81
RGB Percent	6%, 60%, 32%
CMY	0.9412, 0.3961, 0.6823
CMYK	0.90, 0.00, 0.47, 0.40
HSL	148°, 82%, 33%
HSV	148°, 90%, 60%
XYZ	13.2378, 23.8068, 11.6821
YIQ	104.1170, -59.4110, -52.1710

Conversions

Conversions Part 2

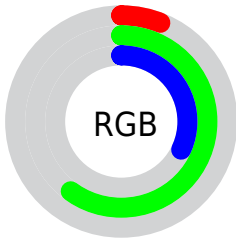
Format	Color
R_{YB}	15, 109, 154
Decimal	1022545
CIE _{Lab}	55.89, -50.71, 28.92
CIE _{LCh}	56, 58.377, 150.304
Yxy	23.8068, 0.2717, 0.4886
Android (android.graphics.Color)	4279212625 (0xFF0F9A51)
YUV	104.1170, -11.3967, -78.1556
Hunter-Lab	48.7922, -36.9576, 19.9590

Details

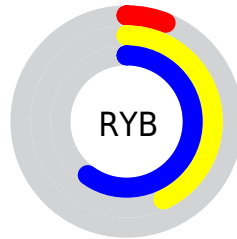
The XYZ color **13.2378, 23.8068, 11.6821** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.2595, 7.9167, 9.9576**, and the grayscale version is **13.2312, 13.9202, 15.1591**.

A 20% lighter version of the original color is **31.4577, 49.9560, 29.4572**, and **4.9424, 9.4229, 3.0717** is the 20% darker color. If you saturate the color by 10%, you get **12.7627, 23.5947, 10.2061**, and if you desaturate by 10%, it is **13.9103, 24.1170, 13.3930**.

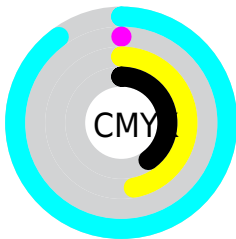
Distribution



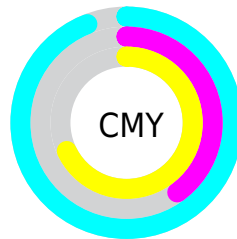
- Red (6%)
- Green (60%)
- Blue (32%)



- Red (6%)
- Yellow (43%)
- Blue (60%)



- Cyan (90%)
- Magenta (0%)
- Yellow (47%)
- Black (40%)





- Cyan (94%)
- Magenta (40%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2378, 23.8068, 11.6821 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 13.2378, 23.8068, 11.6821 by changing the saturation by 10% instead.


 13.2378, 23.8068,
11.6821

 13.2378, 23.8068,
11.6821


206.0431,
271.8423, 213.1919


 7.6706, 15.1904,
6.4077


 31.3280, 49.7147,
29.5705


 3.9349, 8.9531,
3.0218


 44.5818, 67.7750,
43.0215


 1.6654, 4.7106,
1.1058

 61.1285, 89.7521,
60.0352

 0.4345, 2.0785,
0.0000

 81.3335, 116.0303,
81.0300

 0.0000, 0.6525,
0.0000

 105.5620,
146.9940, 106.4246

 0.0000, 0.0000,
0.0000

 134.1796,

183.0276, 136.6374

167.5515,
224.5156, 172.0870

■ 13.2378, 23.8068,
11.6821

■ 13.2378, 23.8068,
11.6821

■ 12.7627, 23.5947,
10.2061

■ 13.9103, 24.1170,
13.3930

■ 14.8400, 24.5548,
15.3103

■ 16.0567, 25.1361,
17.4420

■ 17.5856, 25.8738,
19.7950

■ 19.4487, 26.7791,
22.3757

■ 21.6663, 27.8623,
25.1904

■ 24.2567, 29.1327,
28.2451

■ 27.2371, 30.5992,
31.5455

■ 30.6236, 32.2699,
35.0972

Harmonies

Analogous

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



16.7689, 23.8068, 5.4162



13.2378, 23.8068, 11.6821



12.0975, 23.8068, 26.1165

Triad

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



13.2378, 23.8068, 11.6821



22.6956, 23.8068, 82.5003



35.5613, 23.8068, 11.4852

Complementary

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



13.2378, 23.8068, 11.6821



15.2595, 7.9167, 9.9576

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.



37.9757, 23.8068, 25.7276



13.2378, 23.8068, 11.6821



29.7132, 23.8068, 72.1402

Square

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



13.2378, 23.8068, 11.6821



16.8654, 23.8068, 72.5256



35.6531, 23.8068, 48.6270



29.5724, 23.8068, 5.3480

Rectangle

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



13.2378, 23.8068, 11.6821



12.6284, 23.8068, 40.8202



35.6531, 23.8068, 48.6270



36.8648, 23.8068, 15.1767

Sweetspot

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



13.2384, 23.8078, 11.6826



40.5664, 51.2045, 47.2217



15.7753, 25.2772, 4.4997



8.8653, 11.4348, 10.3046



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.



13.2384, 23.8078, 11.6826



23.0869, 42.8215, 18.0306



17.2075, 25.3954, 32.5835



6.2481, 6.9720, 7.2301



10.4156, 19.2297, 8.4089



0.1739, 0.2948, 0.2216

Inverse Universe

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



15.2595, 7.9167, 9.9576



26.7997, 13.5164, 14.7776



13.6209, 7.2613, 1.3287



6.3375, 6.2742, 7.1574



12.0819, 6.0870, 6.9565



0.1990, 0.0984, 0.2008

Previews

White Background



This preview shows how the XYZ color 13.2378, 23.8068, 11.6821 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 13.2378, 23.8068, 11.6821 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 13.2378, 23.8068, 11.6821

Background



This preview shows how black text looks on a background with the XYZ color 13.2378, 23.8068, 11.6821.



This preview shows how white text looks on a background with the XYZ color 13.2378, 23.8068,

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

13.2378, 23.8068, 11.6821

Protanopia

21.4442, 23.3671, 9.6834

Deuteranopia

23.8480, 23.3569, 12.4839



Tritanopia

18.0747, 23.6458, 35.5097

Trichromacy



Original Color

13.2378, 23.8068, 11.6821



Protanomaly

15.8664, 22.1682, 10.2801



Deuteranomaly

16.6488, 21.6730, 11.9002



Tritanomaly

15.5911, 23.3003, 24.4445

Monochromacy



Original Color

13.2378, 23.8068, 11.6821



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

11.7433, 16.1413, 13.5630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2378, 23.8068, 11.6821 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(15, 154, 81)` looks like.

```
.text, #text, p{  
    color:rgb(15, 154, 81)  
}
```

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(15, 154, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 154, 81) }
```

Border

The CSS property to change the border of an element to XYZ 13.2378, 23.8068, 11.6821 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(15, 154, 81) }
```


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

```
.border{ border-color:rgb(15, 154, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 154, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 154, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 154, 81);  
box-shadow:4px 4px 4px 4px rgb(15, 154,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2378, 23.8068, 11.6821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 154, 81) }
```

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

```
.background{ background-color: rgb(15, 154,  
81) }
```

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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