

Converting Colors

XYZ(11.9580, 22.6826, 8.0643)

Have a look what the booklet for
XYZ(11.9580, 22.6826, 8.0643)
contains.

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Color

**XYZ(12.0438, 22.7827,
8.0377)**

Conversions

Conversions Part 1

Format	Color
Hex	00983C
RGB	0, 152, 60
RGB Percent	0%, 60%, 24%
CMY	1.0000, 0.4039, 0.7647
CMYK	1.00, 0.00, 0.61, 0.40
HSL	144°, 100%, 30%
HSV	144°, 100%, 60%
XYZ	12.0438, 22.7827, 8.0377
YIQ	96.0640, -61.0600, -60.8360

Conversions

Conversions Part 2

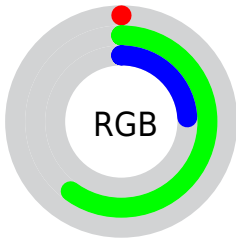
Format	Color
RYB	0, 109, 152
Decimal	38972
CIELab	54.85, -54.24, 38.25
CIELCh	55, 66.373, 144.807
Yxy	22.7827, 0.2810, 0.5315
Android (android.graphics.Color)	4278229052 (0xFF00983C)
YUV	96.0640, -17.7796, -84.2481
Hunter-Lab	47.7312, -38.4896, 23.4277

Details

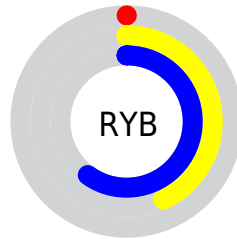
The XYZ color **12.0438, 22.7827, 8.0377** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.8812, 7.4484, 10.7786**, and the grayscale version is **11.1866, 11.7691, 12.8166**.

A 20% lighter version of the original color is **29.3008, 48.2638, 22.5234**, and **4.5002, 8.9390, 1.6892** is the 20% darker color. If you saturate the color by 10%, you get **12.0444, 22.7836, 8.0382**, and if you desaturate by 10%, it is **12.5094, 22.9928, 9.4420**.

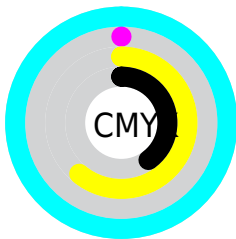
Distribution



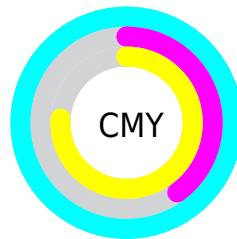
- Red (0%)
- Green (60%)
- Blue (24%)



- Red (0%)
- Yellow (43%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0438, 22.7827, 8.0377 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 12.0438, 22.7827, 8.0377 by changing the saturation by 10% instead.


 12.0438, 22.7827,
8.0377


 12.0438, 22.7827,
8.0377


198.4590,
266.6069, 185.9730


 6.8459, 14.4331,
4.0310


 29.1910, 48.0363,
22.5797


 3.4114, 8.4225,
1.6423


 41.8711, 65.7091,
33.9521

 1.3749, 4.3665,
0.3208

 57.7759, 87.2584,
48.6167

 0.2382, 1.8806,
0.0000

 77.2708, 113.0687,
66.9922

 0.0000, 0.5367,
0.0000

 100.7213,
143.5243, 89.4970

 0.0000, 0.0000,
0.0000

 128.4926,

179.0096, 116.5497

160.9500,
219.9090, 148.5689

■ 12.0438, 22.7827,
8.0377

■ 12.0438, 22.7827,
8.0377

■ 12.0444, 22.7836,
8.0382

■ 12.5094, 22.9928,
9.4420

■ 13.1655, 23.2953,
11.0862

■ 14.0825, 23.7270,
12.9840

■ 15.2894, 24.3026,
15.1461

■ 16.8109, 25.0346,
17.5825

■ 18.6692, 25.9342,
20.3027

■ 20.8840, 27.0117,
23.3157

■ 23.4739, 28.2761,
26.6299

■ 26.4558, 29.7362,
30.2536

Harmonies

Analogous

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



16.2541, 22.7827, 3.2285



12.0438, 22.7827, 8.0377



10.4169, 22.7827, 21.3235

Triad

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



12.0438, 22.7827, 8.0377



20.4013, 22.7827, 90.8004



37.1657, 22.7827, 11.4145

Complementary

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



12.0438, 22.7827, 8.0377



14.8812, 7.4484, 10.7786

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.



38.9790, 22.7827, 28.6495



12.0438, 22.7827, 8.0377



28.1349, 22.7827, 82.5930

Square

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



12.0438, 22.7827, 8.0377



14.4935, 22.7827, 74.6979



35.3637, 22.7827, 56.1718



30.8537, 22.7827, 4.2627

Rectangle

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



12.0438, 22.7827, 8.0377



10.6712, 22.7827, 36.6421



35.3637, 22.7827, 56.1718



38.3741, 22.7827, 15.8409

Sweetspot

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



12.0444, 22.7836, 8.0382



36.6150, 47.5565, 40.8281



15.8176, 24.8231, 3.9577



7.9634, 10.6343, 8.7995



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.



12.0444, 22.7836, 8.0382



21.1766, 40.1810, 13.7553



15.5506, 24.1861, 26.5016



6.2281, 6.9640, 7.1246



10.1130, 19.1086, 6.8156



0.1683, 0.2925, 0.1921

Inverse Universe

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



14.8812, 7.4484, 10.7786



26.1764, 13.1109, 18.5538



13.0564, 6.7185, 1.1696



6.3579, 6.2823, 7.2646



12.4926, 6.2513, 9.1189



0.2046, 0.1006, 0.2302

Previews

White Background



This preview shows how the XYZ color 12.0438, 22.7827, 8.0377 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 12.0438, 22.7827, 8.0377 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 12.0438, 22.7827, 8.0377

Background



This preview shows how black text looks on a background with the XYZ color 12.0438, 22.7827, 8.0377.



This preview shows how white text looks on a background with the XYZ color 12.0438, 22.7827,

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

12.0438, 22.7827, 8.0377

Protanopia

20.4592, 22.5187, 6.7583

Deuteranopia

22.7482, 22.3062, 8.5754



Tritanopia

17.5797, 22.9701, 34.0790

Trichromacy



Original Color

12.0438, 22.7827, 8.0377



Protanomaly

14.3601, 21.0261, 7.0430



Deuteranomaly

14.9587, 20.2566, 8.1225



Tritanomaly

14.5057, 22.3452, 21.3178

Monochromacy



Original Color

12.0438, 22.7827, 8.0377



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.7312, 14.1074, 10.3937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0438, 22.7827, 8.0377 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, 152, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 60)  
}
```

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, 152, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 60) }
```

Border

The CSS property to change the border of an element to XYZ 12.0438, 22.7827, 8.0377 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, 152, 60) }
```


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

```
.border{ border-color:rgb(0, 152, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 60);  
box-shadow:4px 4px 4px 4px rgb(0, 152, 60)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0438, 22.7827, 8.0377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 60) }
```

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

```
.background{ background-color: rgb(0, 152,  
60) }
```

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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