

Converting Colors

XYZ(12.7868, 23.3407, 11.1461)

Have a look what the booklet for
XYZ(12.7868, 23.3407, 11.1461)
contains.

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Color

**XYZ(12.8025, 23.3470,
11.2288)**

Conversions

Conversions Part 1

Format	Color
Hex	00994F
RGB	0, 153, 79
RGB Percent	0%, 60%, 31%
CMY	1.0000, 0.4000, 0.6902
CMYK	1.00, 0.00, 0.48, 0.40
HSL	151°, 100%, 30%
HSV	151°, 100%, 60%
XYZ	12.8025, 23.3470, 11.2288
YIQ	98.8170, -67.4340, -55.4500

Conversions

Conversions Part 2

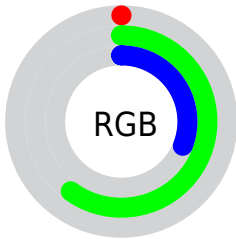
Format	Color
RYB	0, 101, 153
Decimal	39247
CIELab	55.43, -51.58, 29.36
CIELCh	55, 59.348, 150.347
Yxy	23.3470, 0.2702, 0.4928
Android (android.graphics.Color)	4278229327 (0xFF00994F)
YUV	98.8170, -9.7698, -86.6625
Hunter-Lab	48.3187, -37.2625, 20.0447

Details

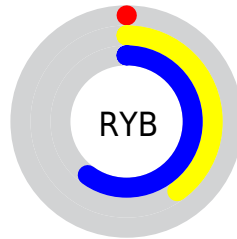
The XYZ color **12.8025, 23.3470, 11.2288** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.3736, 7.2671, 7.1244**, and the grayscale version is **11.8502, 12.4673, 13.5769**.

A 20% lighter version of the original color is **30.6934, 49.2121, 28.6501**, and **4.8179, 9.2186, 2.8919** is the 20% darker color. If you saturate the color by 10%, you get **12.8030, 23.3479, 11.2290**, and if you desaturate by 10%, it is **13.2896, 23.5659, 12.7376**.

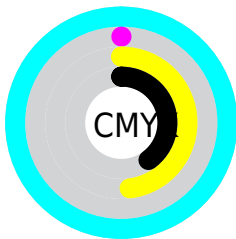
Distribution



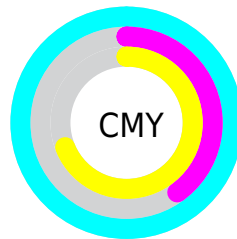
- Red (0%)
- Green (60%)
- Blue (31%)



- Red (0%)
- Yellow (40%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.8025, 23.3470, 11.2288 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 12.8025, 23.3470, 11.2288 by changing the saturation by 10% instead.


 12.8025, 23.3470,
11.2288


 12.8025, 23.3470,
11.2288


203.3113,
269.5023, 210.0241


 7.3687, 14.8499,
6.1048


 30.5529, 48.9625,
28.7256


 3.7421, 8.7141,
2.8391


 43.6002, 66.8497,
41.9355


 1.5573, 4.5552,
1.0131


 59.9160, 88.6357,
58.6778

 0.3643, 1.9887,
0.0000

 79.8658, 114.7050,
79.3710

 0.0000, 0.6009,
0.0000

 103.8149,
145.4419, 104.4337

 0.0000, 0.0000,
0.0000

 132.1286,

181.2308, 134.2844

165.1723,
222.4561, 169.3417

■ 12.8025, 23.3470,
11.2288

■ 12.8025, 23.3470,
11.2288

■ 12.8030, 23.3479,
11.2290

■ 13.2896, 23.5659,
12.7376

■ 13.9564, 23.8732,
14.4157

■ 14.8730, 24.3056,
16.2716

■ 16.0677, 24.8776,
18.3112

■ 17.5650, 25.6017,
20.5398

■ 19.3863, 26.4888,
22.9626

■ 21.5512, 27.5491,
25.5846

■ 24.0775, 28.7915,
28.4105

■ 26.9818, 30.2246,
31.4448

Harmonies

Analogous

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



16.3181, 23.3470, 5.0665



12.8025, 23.3470, 11.2288



11.6729, 23.3470, 25.6440

Triad

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



12.8025, 23.3470, 11.2288



22.2684, 23.3470, 82.7267



35.2093, 23.3470, 11.0068

Complementary

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



12.8025, 23.3470, 11.2288



14.3736, 7.2671, 7.1244

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.



37.6554, 23.3470, 25.1991



12.8025, 23.3470, 11.2288



29.3260, 23.3470, 72.1552

Square

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



12.8025, 23.3470, 11.2288



16.4280, 23.3470, 72.6021



35.3150, 23.3470, 48.2834



29.1643, 23.3470, 4.9909

Rectangle

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



12.8025, 23.3470, 11.2288



12.2023, 23.3470, 40.4602



35.3150, 23.3470, 48.2834



36.5281, 23.3470, 14.6639

Sweetspot

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



12.8031, 23.3479, 11.2293



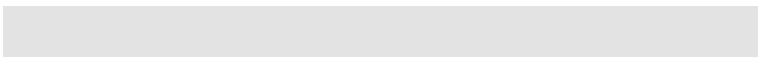
38.3458, 49.2134, 45.5280



14.4123, 24.3406, 3.9387



8.1242, 10.6986, 9.6462



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.



12.8031, 23.3479, 11.2293



22.8335, 41.7741, 19.6126



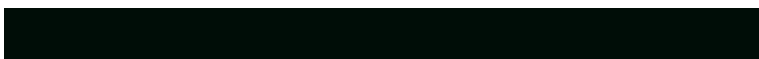
17.1417, 25.0834, 34.0763



6.2586, 6.9762, 7.2853



10.5980, 19.3026, 9.3695



0.1768, 0.2959, 0.2368

Inverse Universe

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



14.3736, 7.2671, 7.1244



25.6473, 12.9767, 12.2679



13.1374, 6.7726, 0.6149



6.3270, 6.2700, 7.1021



11.8957, 6.0125, 5.9759



0.1961, 0.0972, 0.1855

Previews

White Background



This preview shows how the XYZ color 12.8025, 23.3470, 11.2288 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 12.8025, 23.3470, 11.2288 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

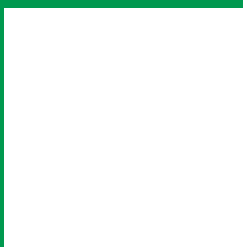
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8025, 23.3470, 11.2288

Background



This preview shows how black text looks on a background with the XYZ color 12.8025, 23.3470, 11.2288.



This preview shows how white text looks on a background with the XYZ color 12.8025, 23.3470,

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

12.8025, 23.3470, 11.2288

Protanopia

21.0980, 22.9902, 9.4564

Deuteranopia

23.4386, 22.9645, 12.0013



Tritanopia

17.7189, 23.2464, 35.0056

Trichromacy



Original Color

12.8025, 23.3470, 11.2288



Protanomaly

15.0617, 21.5395, 10.0203



Deuteranomaly

15.7323, 20.9996, 11.4078



Tritanomaly

15.0929, 22.8193, 24.0312

Monochromacy



Original Color

12.8025, 23.3470, 11.2288



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

10.5785, 15.0231, 12.4674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8025, 23.3470, 11.2288 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, 153, 79)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 79)  
}
```

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, 153, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 79) }
```

Border

The CSS property to change the border of an element to XYZ 12.8025, 23.3470, 11.2288 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, 153, 79) }
```


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

```
.border{ border-color:rgb(0, 153, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 79);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 79)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8025, 23.3470, 11.2288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 79) }
```

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

```
.background{ background-color: rgb(0, 153,  
79) }
```

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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