

Converting Colors

XYZ(8.4560, 19.3894, 12.4842)

Have a look what the booklet for
XYZ(8.4560, 19.3894, 12.4842)
contains.

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Color

**XYZ(12.0403, 21.2623,
12.7020)**

Conversions

Conversions Part 1

Format	Color
Hex	009258
RGB	0, 146, 88
RGB Percent	0%, 57%, 35%
CMY	1.0000, 0.4274, 0.6549
CMYK	1.00, 0.00, 0.40, 0.43
HSL	156°, 100%, 29%
HSV	156°, 100%, 57%
XYZ	12.0403, 21.2623, 12.7020
YIQ	95.7340, -68.3980, -48.9900

Conversions

Conversions Part 2

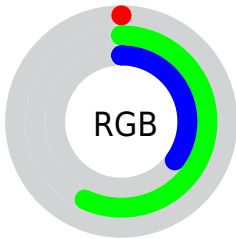
Format	Color
RYB	0, 91, 146
Decimal	37464
CIELab	53.24, -47.32, 21.65
CIELCh	53, 52.032, 155.415
Yxy	21.2623, 0.2617, 0.4622
Android (android.graphics.Color)	4278227544 (0xFF009258)
YUV	95.7340, -3.8129, -83.9587
Hunter-Lab	46.1111, -34.0853, 15.9454

Details

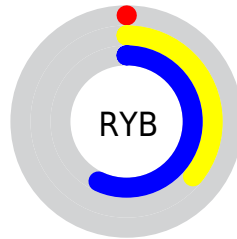
The XYZ color **12.0403, 21.2623, 12.7020** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **12.6184, 6.4169, 4.5773**, and the grayscale version is **11.0753, 11.6520, 12.6891**.

A 20% lighter version of the original color is **29.1302, 45.4931, 31.2905**, and **4.4206, 8.1726, 3.5350** is the 20% darker color. If you saturate the color by 10%, you get **12.0407, 21.2631, 12.7020**, and if you desaturate by 10%, it is **12.4814, 21.4614, 14.0278**.

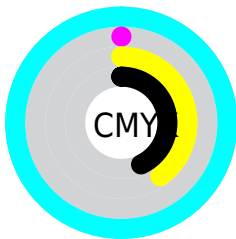
Distribution



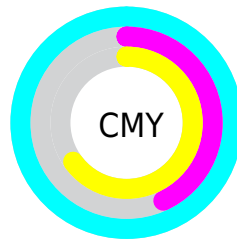
- Red (0%)
- Green (57%)
- Blue (35%)



- Red (0%)
- Yellow (36%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (43%)





- Cyan (100%)
- Magenta (43%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0403, 21.2623, 12.7020 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 12.0403, 21.2623, 12.7020 by changing the saturation by 10% instead.


 12.0403, 21.2623,
12.7020


 12.0403, 21.2623,
12.7020


198.4364,
258.6692, 220.1392


 6.8435, 13.3159,
7.0954


 29.1847, 45.5237,
31.4507


 3.4099, 7.6464,
3.4425


 41.8630, 62.6074,
45.4298


 1.3740, 3.8695,
1.3248

 57.7659, 83.5057,
63.0368

 0.2376, 1.6009,
0.0819

 77.2588, 108.6029,
84.6902

 0.0000, 0.3582,
0.0000

 100.7069,
138.2835, 110.8086

 0.0000, 0.0000,
0.0000

 128.4756,

172.9318, 141.8106

160.9303,
212.9322, 178.1146

■ 12.0403, 21.2623,
12.7020

■ 12.0403, 21.2623,
12.7020

■ 12.0407, 21.2631,
12.7020

■ 12.4814, 21.4614,
14.0278

■ 13.0728, 21.7351,
15.4622

■ 13.8802, 22.1179,
17.0110

■ 14.9283, 22.6225,
18.6773

■ 16.2385, 23.2597,
20.4643

■ 17.8295, 24.0392,
22.3748

■ 19.7184, 24.9699,
24.4115

■ 21.9209, 26.0596,
26.5770

■ 24.4513, 27.3159,
28.8738

Harmonies

Analogous

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



14.6816, 21.2623, 6.2055



12.0403, 21.2623, 12.7020



11.4067, 21.2623, 26.1271

Triad

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



12.0403, 21.2623, 12.7020



21.2232, 21.2623, 68.2593



30.1061, 21.2623, 9.6659

Complementary

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



12.0403, 21.2623, 12.7020



12.6184, 6.4169, 4.5773

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.



32.6649, 21.2623, 20.4100



12.0403, 21.2623, 12.7020



26.9746, 21.2623, 57.6254

Square

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



12.0403, 21.2623, 12.7020



16.1227, 21.2623, 63.0334



31.4261, 21.2623, 38.1682



24.9337, 21.2623, 5.0920

Rectangle

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



12.0403, 21.2623, 12.7020



12.0862, 21.2623, 38.7257



31.4261, 21.2623, 38.1682



31.3393, 21.2623, 12.4374

Sweetspot

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



12.0408, 21.2631, 12.7025



34.5652, 43.9399, 42.8371



12.0478, 21.4702, 3.5093



7.4005, 9.6324, 9.2255



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.0408, 21.2631, 12.7025



21.1553, 37.4751, 21.9589



13.3591, 18.4164, 30.0457



5.8675, 6.5236, 6.9132



10.6067, 18.7155, 11.2361



0.1444, 0.2349, 0.2143

Inverse Universe

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



12.6184, 6.4169, 4.5773



22.1807, 11.2880, 7.6602



12.0198, 6.4418, 0.6100



5.8905, 5.8513, 6.5297



11.1142, 5.6507, 4.0823



0.1499, 0.0747, 0.1229

Previews

White Background



This preview shows how the XYZ color 12.0403, 21.2623, 12.7020 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 12.0403, 21.2623, 12.7020 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 12.0403, 21.2623, 12.7020

Background



This preview shows how black text looks on a background with the XYZ color 12.0403, 21.2623, 12.7020.



This preview shows how white text looks on a background with the XYZ color 12.0403, 21.2623,

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

12.0403, 21.2623, 12.7020

Protanopia

19.5186, 21.1612, 10.6452

Deuteranopia

21.2522, 20.8725, 13.4984



Tritanopia

16.2058, 21.4241, 32.1353

Trichromacy



Original Color

12.0403, 21.2623, 12.7020



Protanomaly

14.1109, 19.7494, 11.2519



Deuteranomaly

14.6337, 19.1709, 13.0543



Tritanomaly

14.1635, 21.2184, 23.4277

Monochromacy



Original Color

12.0403, 21.2623, 12.7020



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.9176, 13.8170, 12.5002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0403, 21.2623, 12.7020 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, 146, 88)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 88)  
}
```

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, 146, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 88) }
```

Border

The CSS property to change the border of an element to XYZ 12.0403, 21.2623, 12.7020 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, 146, 88) }
```


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

```
.border{ border-color:rgb(0, 146, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 146, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 88);  
box-shadow:4px 4px 4px 4px rgb(0, 146, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.0403, 21.2623, 12.7020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 88) }
```

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

```
.background{ background-color: rgb(0, 146,  
88) }
```

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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