

Converting Colors

XYZ(9.8230, 12.0698, 8.7941)

Have a look what the booklet for
XYZ(9.8230, 12.0698, 8.7941)
contains.

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Color

**XYZ(9.8460, 12.1211,
8.8419)**

Conversions

Conversions Part 1

Format	Color
Hex	54674D
RGB	84, 103, 77
RGB Percent	33%, 40%, 30%
CMY	0.6706, 0.5961, 0.6980
CMYK	0.18, 0.00, 0.25, 0.60
HSL	104°, 14%, 35%
HSV	104°, 25%, 40%
XYZ	9.8460, 12.1211, 8.8419
YIQ	94.3550, -2.9780, -12.1140

Conversions

Conversions Part 2

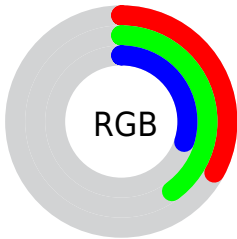
Format	Color
RYB	77, 103, 96
Decimal	5531469
CIELab	41.41, -12.62, 12.37
CIELCh	41, 17.675, 135.578
Yxy	12.1211, 0.3196, 0.3934
Android (android.graphics.Color)	4283721549 (0xFF54674D)
YUV	94.3550, -8.5560, -9.0813
Hunter-Lab	34.8154, -10.4460, 9.3131

Details

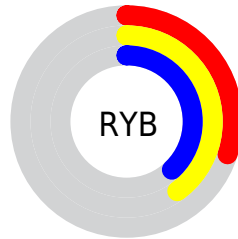
The XYZ color **9.8460, 12.1211, 8.8419** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.9263, 8.7742, 14.0029**, and the grayscale version is **10.7439, 11.3034, 12.3094**.

A 20% lighter version of the original color is **25.1530, 29.6859, 24.1429**, and **2.4880, 3.3502, 1.9544** is the 20% darker color. If you saturate the color by 10%, you get **8.8729, 11.6586, 7.0460**, and if you desaturate by 10%, it is **10.9498, 12.6451, 10.9452**.

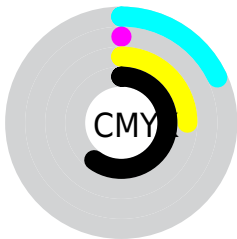
Distribution



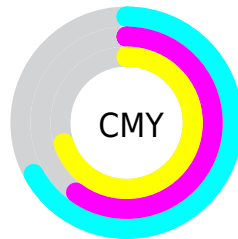
- Red (33%)
- Green (40%)
- Blue (30%)



- Red (30%)
- Yellow (40%)
- Blue (38%)



- Cyan (18%)
- Magenta (0%)
- Yellow (25%)
- Black (60%)



- Cyan (67%)
- Magenta (60%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8460, 12.1211, 8.8419 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 9.8460, 12.1211, 8.8419 by changing the saturation by 10% instead.

■ 9.8460, 12.1211,
8.8419

■ 9.8460, 12.1211,
8.8419

183.6461,
205.2054, 192.3685

■ 5.3585, 6.8262,
4.5428

■ 25.1578, 29.7155,
24.1660

■ 2.4960, 3.3536,
1.9276

■ 36.7127, 42.7837,
36.0280

■ 0.8932, 1.3190,
0.5102

■ 51.3541, 59.2119,
51.2481

■ 0.0000, 0.1559,
0.0000

■ 69.4473, 79.3844,
70.2448

■ 0.0000, 0.0000,
0.0000

■ 91.3578, 103.6856,
93.4367

117.4509,

132.4999, 121.2422

148.0918,
166.2117, 154.0800

■ 9.8460, 12.1211,
8.8419

■ 9.8460, 12.1211,
8.8419

■ 8.8729, 11.6586,
7.0460

■ 10.9498, 12.6451,
10.9452

■ 8.0246, 11.2536,
5.5422

■ 12.1880, 13.2310,
13.3684

■ 7.2960, 10.9044,
4.3154

■ 13.5654, 13.8815,
16.1244

■ 6.6814, 10.6084,
3.3486

■ 15.0862, 14.5985,
19.2252

■ 6.1746, 10.3626,
2.6230

■ 16.7546, 15.3838,
22.6822

■ 5.7687, 10.1642,
2.1173

■ 18.5745, 16.2392,
26.5060

■ 5.4518, 10.0078,
1.7851

■ 20.5495, 17.1664,
30.7072

■ 5.3220, 9.9440,
1.6389

■ 22.6833, 18.1671,
35.2956

■ 24.9795, 19.2429,
40.2808

Harmonies

Analogous

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



10.8704, 12.1211, 7.4917



9.8460, 12.1211, 8.8419



9.2914, 12.1211, 11.5141

Triad

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



9.8460, 12.1211, 8.8419



10.9168, 12.1211, 21.2977



14.0661, 12.1211, 11.3887

Complementary

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



9.8460, 12.1211, 8.8419



9.9263, 8.7742, 14.0029

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.



14.0809, 12.1211, 15.0382



9.8460, 12.1211, 8.8419



12.1965, 12.1211, 21.2469

Square

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



9.8460, 12.1211, 8.8419



9.8778, 12.1211, 18.9187



13.3754, 12.1211, 18.7908



13.3365, 12.1211, 8.7649

Rectangle

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



9.8460, 12.1211, 8.8419



9.2343, 12.1211, 13.8971



13.3754, 12.1211, 18.7908



14.1566, 12.1211, 12.5224

Sweetspot

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



9.8463, 12.1216, 8.8422



21.1339, 23.3648, 22.5770



11.0830, 11.7188, 8.6992



5.0900, 5.6691, 5.3784



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



9.8463, 12.1216, 8.8422



16.6196, 21.2238, 13.9532



9.4584, 11.8976, 9.9078



2.8599, 3.1750, 3.0365



6.6641, 12.4942, 2.0604



34.0211, 64.7845, 10.7116

Inverse Universe

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



9.9263, 8.7742, 14.0029



16.7866, 14.1695, 24.8273



10.4226, 9.0616, 12.5993



2.8677, 2.8539, 3.5317



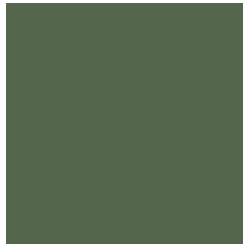
6.7235, 3.1103, 16.3903



34.2032, 15.7766, 85.4439

Previews

White Background



This preview shows how the XYZ color 9.8460, 12.1211, 8.8419 looks on a white background.

Color Contrast Check

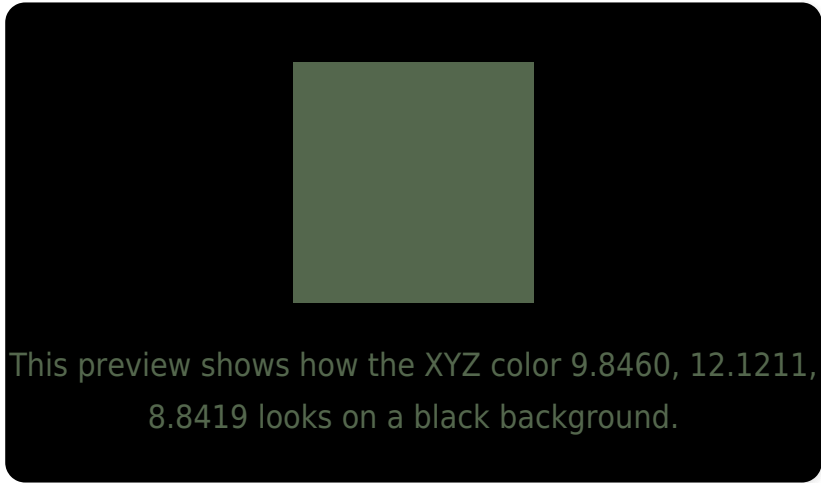
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

XYZ 9.8460, 12.1211, 8.8419

Background



This preview shows how black text looks on a background with the XYZ color 9.8460, 12.1211, 8.8419.



This preview shows how white text looks on a background with the XYZ color 9.8460, 12.1211, 8.8419.

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

9.8460, 12.1211, 8.8419

Protanopia

11.2196, 11.9869, 8.2009

Deuteranopia

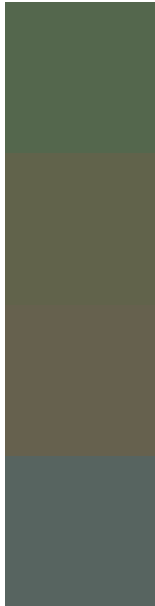
12.2240, 12.0806, 9.0847



Tritanopia

11.2355, 12.1091, 15.6550

Trichromacy



Original Color

9.8460, 12.1211, 8.8419

Protanomaly

10.6616, 11.9731, 8.4057

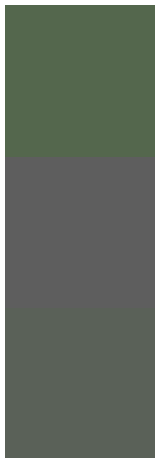
Deuteranomaly

11.1293, 11.9242, 8.9228

Tritanomaly

10.5990, 11.9851, 12.8211

Monochromacy



Original Color

9.8460, 12.1211, 8.8419

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.2526, 11.4276, 10.8979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8460, 12.1211, 8.8419 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(84, 103, 77)` looks like.

```
.text, #text, p{  
    color:rgb(84, 103, 77)  
}
```

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(84, 103, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 103, 77) }
```

Border

The CSS property to change the border of an element to XYZ 9.8460, 12.1211, 8.8419 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(84, 103, 77) }
```


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

```
.border{ border-color:rgb(84, 103, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 103, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 103, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 103, 77);  
box-shadow:4px 4px 4px 4px rgb(84, 103,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8460, 12.1211, 8.8419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 103, 77) }
```

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

```
.background{ background-color: rgb(84, 103,  
77) }
```

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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