

Converting Colors

XYZ(12.1030, 17.5520, 9.4070)

Have a look what the booklet for
XYZ(12.1030, 17.5520, 9.4070)
contains.

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Color

**XYZ(12.1311, 17.5660,
9.4078)**

Conversions

Conversions Part 1

Format	Color
Hex	4E804B
RGB	78, 128, 75
RGB Percent	31%, 50%, 29%
CMY	0.6941, 0.4980, 0.7059
CMYK	0.39, 0.00, 0.41, 0.50
HSL	117°, 26%, 40%
HSV	117°, 41%, 50%
XYZ	12.1311, 17.5660, 9.4078
YIQ	107.0080, -12.7870, -27.0830

Conversions

Conversions Part 2

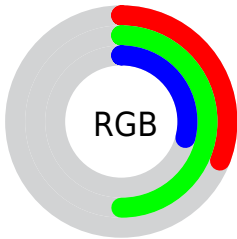
Format	Color
R_{YB}	75, 128, 125
Decimal	5144651
CIE _{Lab}	48.97, -28.28, 23.59
CIE _{LCh}	49, 36.829, 140.165
Yxy	17.5660, 0.3102, 0.4492
Android (android.graphics.Color)	4283334731 (0xFF4E804B)
YUV	107.0080, -15.7799, -25.4400
Hunter-Lab	41.9118, -21.6800, 16.0296

Details

The XYZ color **12.1311, 17.5660, 9.4078** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.8704, 10.9511, 21.7529**, and the grayscale version is **14.0227, 14.7529, 16.0659**.

A 20% lighter version of the original color is **29.2152, 39.1701, 25.0896**, and **3.4250, 5.7844, 2.0984** is the 20% darker color. If you saturate the color by 10%, you get **10.8363, 16.9446, 7.2859**, and if you desaturate by 10%, it is **13.6967, 18.3178, 12.0033**.

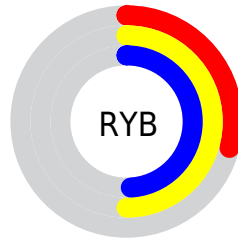
Distribution



Red (31%)

Green (50%)

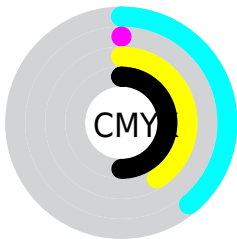
Blue (29%)



Red (29%)

Yellow (50%)

Blue (49%)

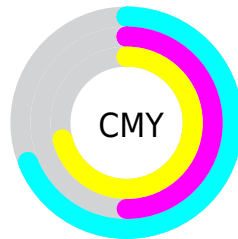


Cyan (39%)

Magenta (0%)

Yellow (41%)

Black (50%)



Cyan (69%)


Magenta (50%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1311, 17.5660, 9.4078 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 12.1311, 17.5660, 9.4078 by changing the saturation by 10% instead.


 12.1311, 17.5660,
9.4078


 12.1311, 17.5660,
9.4078


199.0235,
238.4133, 196.7203


 6.9059, 10.6389,
4.9077


 29.3484, 39.2964,
25.2657


 3.4491, 5.8245,
2.1354

 42.0713, 54.8684,
37.4605


 1.3955, 2.7387,
0.6367

 58.0240, 74.0909,
53.0573

 0.2530, 0.9969,
0.0000

 77.5719, 97.3482,
72.4747

 0.0000, 0.0000,
0.0000

 101.0805,
125.0246, 96.1312

128.9151,

157.5047, 124.4452

161.4410,
195.1728, 157.8354

■ 12.1311, 17.5660,
9.4078

■ 12.1311, 17.5660,
9.4078

■ 10.8363, 16.9446,
7.2859

■ 13.6967, 18.3178,
12.0033

■ 9.7957, 16.4442,
5.6081

■ 15.5458, 19.2045,
15.0974

■ 8.9928, 16.0575,
4.3430


■ 17.6920, 20.2330,
18.7146


■ 8.4090, 15.7756,
3.4551


■ 20.1476, 21.4093,
22.8777


■ 8.0224, 15.5881,
2.9026


■ 22.9241, 22.7388,
27.6079

 7.8102, 15.4857,
2.5774

 26.0325, 24.2268,
32.9254

 29.4834, 25.8783,
38.8493

 33.2867, 27.6979,
45.3979

 37.4520, 29.6904,
52.5888

Harmonies

Analogous

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



14.5265, 17.5660, 6.3203



12.1311, 17.5660, 9.4078



11.0100, 17.5660, 16.0814

Triad

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



12.1311, 17.5660, 9.4078



15.5958, 17.5660, 44.3880



23.6746, 17.5660, 13.3320

Complementary

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



12.1311, 17.5660, 9.4078



14.8704, 10.9511, 21.7529

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.



24.0641, 17.5660, 22.5333



12.1311, 17.5660, 9.4078



19.0714, 17.5660, 42.8646

Square

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



12.1311, 17.5660, 9.4078



12.8216, 17.5660, 37.5793



22.2826, 17.5660, 33.9358



21.2813, 17.5660, 7.9891

Rectangle

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



12.1311, 17.5660, 9.4078



11.0150, 17.5660, 22.6529



22.2826, 17.5660, 33.9358



24.0557, 17.5660, 15.9863

Sweetspot

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



12.1315, 17.5667, 9.4082



30.7983, 35.4543, 32.3572



17.4391, 19.6305, 9.5268



7.1141, 8.2545, 7.4125



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.1315, 17.5667, 9.4082



19.1309, 29.8578, 12.9132



12.8244, 17.8161, 14.3104



4.2968, 4.8295, 4.6258



7.7445, 15.3548, 2.5556



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.8704, 10.9511, 21.7529



24.6535, 16.4946, 37.8407



13.9702, 10.6424, 14.6920



4.4749, 4.4004, 5.4268



11.6484, 5.5587, 20.7089



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1311, 17.5660, 9.4078 looks on a white background.

Color Contrast Check

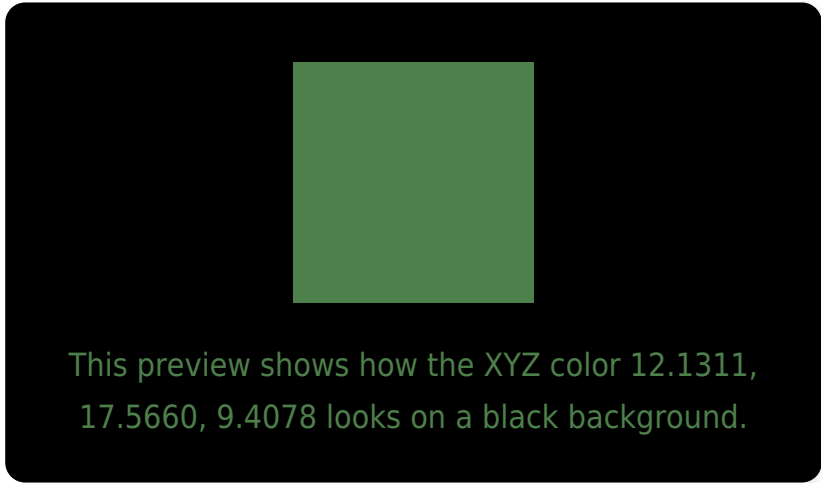
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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 12.1311, 17.5660, 9.4078

Background



This preview shows how black text looks on a background with the XYZ color 12.1311, 17.5660, 9.4078.



This preview shows how white text looks on a background with the XYZ color 12.1311, 17.5660,

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

12.1311, 17.5660, 9.4078

Protanopia

16.1033, 17.4450, 8.3128

Deuteranopia

17.5770, 17.3367, 9.8170



Tritanopia

15.0539, 17.4373, 24.0450

Trichromacy



Original Color

12.1311, 17.5660, 9.4078

Protanomaly

14.1928, 17.1520, 8.6935

Deuteranomaly

14.9389, 16.9856, 9.6989

Tritanomaly

13.8232, 17.4943, 17.6871

Monochromacy



Original Color

12.1311, 17.5660, 9.4078

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.0202, 15.5745, 13.1464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1311, 17.5660, 9.4078 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(78, 128, 75)` looks like.

```
.text, #text, p{  
    color:rgb(78, 128, 75)  
}
```

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(78, 128, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 128, 75) }
```

Border

The CSS property to change the border of an element to XYZ 12.1311, 17.5660, 9.4078 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(78, 128, 75) }
```


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

```
.border{ border-color:rgb(78, 128, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 128, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 128, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 128, 75);  
box-shadow:4px 4px 4px 4px rgb(78, 128,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1311, 17.5660, 9.4078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 128, 75) }
```

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

```
.background{ background-color: rgb(78, 128,  
75) }
```

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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