

Converting Colors

XYZ(12.4426, 17.6798, 8.5058)

Have a look what the booklet for
XYZ(12.4426, 17.6798, 8.5058)
contains.

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Color

**XYZ(12.4808, 17.7654,
8.5656)**

Conversions

Conversions Part 1

Format	Color
Hex	548046
RGB	84, 128, 70
RGB Percent	33%, 50%, 27%
CMY	0.6706, 0.4980, 0.7255
CMYK	0.34, 0.00, 0.45, 0.50
HSL	106°, 29%, 39%
HSV	106°, 45%, 50%
XYZ	12.4808, 17.7654, 8.5656
YIQ	108.2320, -7.6060, -27.3660

Conversions

Conversions Part 2

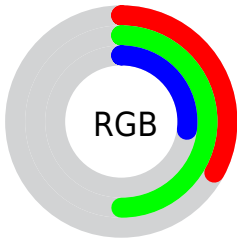
Format	Color
R_{YB}	70, 128, 114
Decimal	5537862
CIE _{Lab}	49.21, -26.94, 26.74
CIE _{LCh}	49, 37.954, 135.219
Yxy	17.7654, 0.3216, 0.4577
Android (android.graphics.Color)	4283727942 (0xFF548046)
YUV	108.2320, -18.8484, -21.2515
Hunter-Lab	42.1490, -20.9049, 17.4553

Details

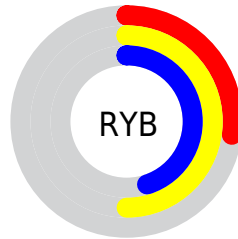
The XYZ color **12.4808, 17.7654, 8.5656** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.0268, 9.5168, 21.5735**, and the grayscale version is **14.3722, 15.1207, 16.4665**.

A 20% lighter version of the original color is **30.0070, 39.6139, 23.5175**, and **3.5824, 5.8721, 1.8088** is the 20% darker color. If you saturate the color by 10%, you get **11.3094, 17.2039, 6.6219**, and if you desaturate by 10%, it is **13.8597, 18.4250, 10.9695**.

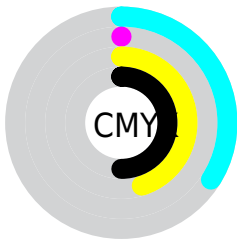
Distribution



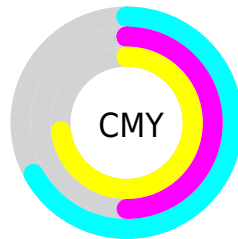
- Red (33%)
- Green (50%)
- Blue (27%)



- Red (27%)
- Yellow (50%)
- Blue (45%)



- Cyan (34%)
- Magenta (0%)
- Yellow (45%)
- Black (50%)



- Cyan (67%)
- Magenta (50%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4808, 17.7654, 8.5656 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 12.4808, 17.7654, 8.5656 by changing the saturation by 10% instead.

■ 12.4808, 17.7654,
8.5656

■ 12.4808, 17.7654,
8.5656

201.2684,
239.5454, 190.2006

■ 7.1465, 10.7817,
4.3660

■ 29.9771, 39.6372,
23.6242

■ 3.6011, 5.9202,
1.8282

■ 42.8699, 55.2940,
35.3204

■ 1.4790, 2.7966,
0.4465

■ 59.0129, 74.6107,
50.3524

■ 0.3115, 1.0265,
0.0000

■ 78.7714, 97.9716,
69.1389

■ 0.0000, 0.0000,
0.0000

■ 102.5109,
125.7611, 92.0985

130.5967,

158.3637, 119.6496

163.3940,
196.1636, 152.2107

■ 12.4808, 17.7654,
8.5656

■ 12.4808, 17.7654,
8.5656

■ 11.3094, 17.2039,
6.6219

■ 13.8597, 18.4250,
10.9695

■ 10.3339, 16.7335,
5.1078

■ 15.4546, 19.1849,
13.8591

■ 9.5431, 16.3497,
3.9911

■ 17.2750, 20.0500,
17.2595

■ 8.9245, 16.0469,
3.2342

■ 19.3293, 21.0241,
21.1937

■ 8.4608, 15.8174,
2.7794

■ 21.6256, 22.1109,
25.6834

■ 8.2814, 15.7288,
2.5995

■ 24.1717, 23.3139,
30.7490

■ 26.9747, 24.6365,
36.4098

■ 30.0419, 26.0820,
42.6844

■ 33.3798, 27.6534,
49.5904

Harmonies

Analogous

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



15.1528, 17.7654, 5.9295



12.4808, 17.7654, 8.5656



11.0976, 17.7654, 14.7636

Triad

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



12.4808, 17.7654, 8.5656



15.1998, 17.7654, 45.1402



24.3831, 17.7654, 14.6434

Complementary

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



12.4808, 17.7654, 8.5656



13.0268, 9.5168, 21.5735

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.



24.4004, 17.7654, 24.7843



12.4808, 17.7654, 8.5656



18.7454, 17.7654, 45.0722

Square

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



12.4808, 17.7654, 8.5656



12.5110, 17.7654, 36.8462



22.2208, 17.7654, 36.6840



22.1766, 17.7654, 8.5043

Rectangle

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



12.4808, 17.7654, 8.5656



10.9486, 17.7654, 21.1806



22.2208, 17.7654, 36.6840



24.6544, 17.7654, 17.6159

Sweetspot

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



12.4812, 17.7662, 8.5660



30.7534, 35.4605, 31.0299



15.9695, 16.9544, 8.2255



7.0528, 8.2323, 6.9859



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.



12.4812, 17.7662, 8.5660



19.9243, 30.2950, 11.6796



11.8654, 17.3893, 11.2220



4.3658, 4.8650, 4.6291



8.2123, 15.5960, 2.5775



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.0268, 9.5168, 21.5735



20.9890, 13.8894, 37.5310



14.1018, 10.1736, 16.9920



4.3999, 4.3618, 5.4233



8.7644, 4.0719, 20.5740



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.4808, 17.7654, 8.5656 looks on a white background.

Color Contrast Check

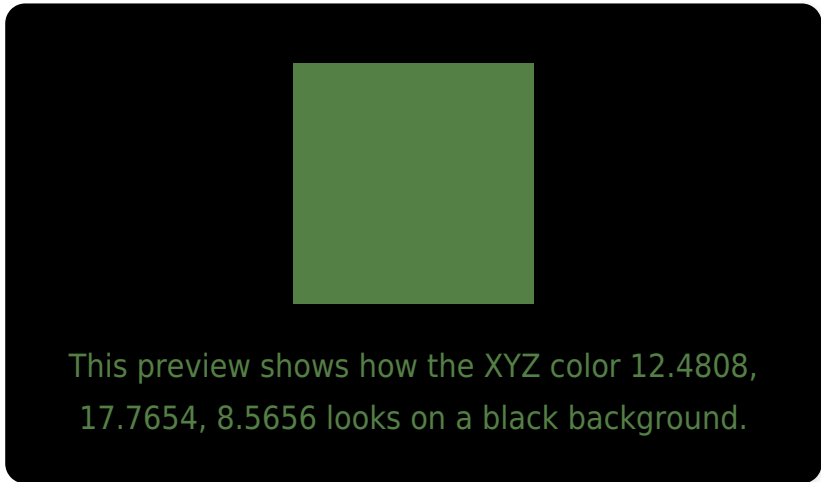
Large Text (above 18pt) WCAG AA ✓ Pass

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

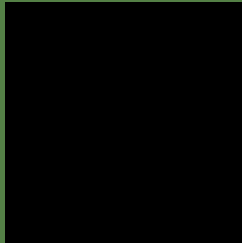
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.4808, 17.7654, 8.5656

Background



This preview shows how black text looks on a background with the XYZ color 12.4808, 17.7654, 8.5656.



This preview shows how white text looks on a background with the XYZ color 12.4808, 17.7654,

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

12.4808, 17.7654, 8.5656

Protanopia

16.2467, 17.7051, 7.7154

Deuteranopia

17.7357, 17.4387, 8.9098



Tritanopia

15.5502, 17.6931, 24.0683

Trichromacy



Original Color

12.4808, 17.7654, 8.5656

Protanomaly

14.5326, 17.5247, 7.9269

Deuteranomaly

15.3096, 17.1967, 8.8157

Tritanomaly

14.1844, 17.6931, 17.1355

Monochromacy



Original Color

12.4808, 17.7654, 8.5656

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.2967, 15.7223, 12.9236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4808, 17.7654, 8.5656 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, 128, 70)` looks like.

```
.text, #text, p{  
    color:rgb(84, 128, 70)  
}
```

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, 128, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 128, 70) }
```

Border

The CSS property to change the border of an element to XYZ 12.4808, 17.7654, 8.5656 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, 128, 70) }
```


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

```
.border{ border-color:rgb(84, 128, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 128, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 128, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 128, 70);  
box-shadow:4px 4px 4px 4px rgb(84, 128,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4808, 17.7654, 8.5656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 128, 70) }
```

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

```
.background{ background-color: rgb(84, 128,  
70) }
```

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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