

Converting Colors

XYZ(12.6340, 17.4421, 8.8655)

Have a look what the booklet for
XYZ(12.6340, 17.4421, 8.8655)
contains.

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Color

**XYZ(12.6551, 17.4643,
8.8348)**

Conversions

Conversions Part 1

Format	Color
Hex	587E48
RGB	88, 126, 72
RGB Percent	35%, 49%, 28%
CMY	0.6549, 0.5059, 0.7176
CMYK	0.30, 0.00, 0.43, 0.51
HSL	102°, 27%, 39%
HSV	102°, 43%, 49%
XYZ	12.6551, 17.4643, 8.8348
YIQ	108.4820, -5.3140, -24.8500

Conversions

Conversions Part 2

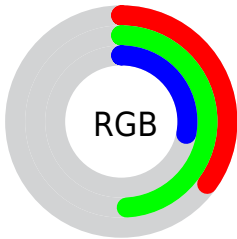
Format	Color
R_{YB}	72, 126, 110
Decimal	5799496
CIE _{Lab}	48.84, -24.17, 25.21
CIE _{LCh}	49, 34.920, 133.790
Yxy	17.4643, 0.3249, 0.4483
Android (android.graphics.Color)	4283989576 (0xFF587E48)
YUV	108.4820, -17.9856, -17.9627
Hunter-Lab	41.7903, -19.0790, 16.7188

Details

The XYZ color **12.6551, 17.4643, 8.8348** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.5143, 9.4565, 20.9053**, and the grayscale version is **14.4400, 15.1920, 16.5441**.

A 20% lighter version of the original color is **30.2188, 39.1096, 24.0454**, and **3.7154, 5.8335, 1.9074** is the 20% darker color. If you saturate the color by 10%, you get **11.4967, 16.9104, 6.8505**, and if you desaturate by 10%, it is **14.0008, 18.1061, 11.2685**.

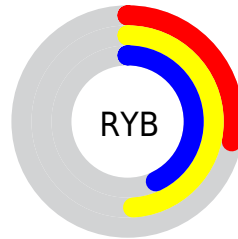
Distribution



Red (35%)

Green (49%)

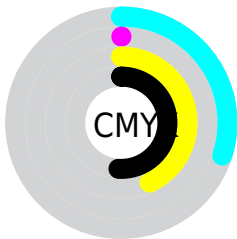
Blue (28%)



Red (28%)

Yellow (49%)

Blue (43%)

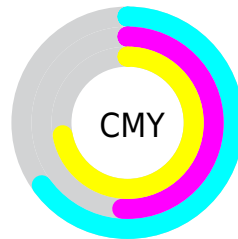


Cyan (30%)

Magenta (0%)

Yellow (43%)

Black (51%)



Cyan (65%)

Magenta (51%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6551, 17.4643, 8.8348 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 12.6551, 17.4643, 8.8348 by changing the saturation by 10% instead.

■ 12.6551, 17.4643,
8.8348

■ 12.6551, 17.4643,
8.8348

202.3779,
237.8340, 192.3132

■ 7.2668, 10.5661,
4.5382

■ 30.2894, 39.1224,
24.1521

■ 3.6773, 5.7759,
1.9250

■ 43.2661, 54.6510,
36.0099

■ 1.5213, 2.7093,
0.5086

■ 59.5030, 73.8252,
51.2252

■ 0.3402, 0.9819,
0.0000

■ 79.3654, 97.0294,
70.2166

■ 0.0000, 0.0000,
0.0000

■ 103.2188,
124.6480, 93.4025

131.4284,

157.0654, 121.2015

164.3597,
194.6659, 154.0322

■ 12.6551, 17.4643,
8.8348

■ 12.6551, 17.4643,
8.8348

■ 11.4967, 16.9104,
6.8505

■ 14.0008, 18.1061,
11.2685

■ 10.5154, 16.4381,
5.2869

■ 15.5407, 18.8372,
14.1755

■ 9.7020, 16.0439,
4.1140


■ 17.2829, 19.6618,
17.5796


■ 9.0460, 15.7231,
3.2971


■ 19.2347, 20.5832,
21.5025


■ 8.5349, 15.4702,
2.7947


■ 21.4029, 21.6044,
25.9646

 8.2361, 15.3219,
2.5233

 23.7942, 22.7285,
30.9854

 26.4147, 23.9583,
36.5832

 29.2706, 25.2964,
42.7755

 32.3676, 26.7456,
49.5792

Harmonies

Analogous

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



15.1599, 17.4643, 6.4289



12.6551, 17.4643, 8.8348



11.3128, 17.4643, 14.4625

Triad

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



12.6551, 17.4643, 8.8348



14.9223, 17.4643, 41.7721



23.4048, 17.4643, 15.0765

Complementary

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



12.6551, 17.4643, 8.8348



12.5143, 9.4565, 20.9053

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.



23.3194, 17.4643, 24.4363



12.6551, 17.4643, 8.8348



18.1270, 17.4643, 42.1020

Square

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



12.6551, 17.4643, 8.8348



12.5007, 17.4643, 34.2047



21.2881, 17.4643, 34.9976



21.5081, 17.4643, 9.1578

Rectangle

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



12.6551, 17.4643, 8.8348



11.1327, 17.4643, 20.2181



21.2881, 17.4643, 34.9976



23.6139, 17.4643, 17.8618

Sweetspot

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



12.6555, 17.4651, 8.8352



30.2757, 34.5391, 30.6559



15.3289, 16.0130, 8.4140



6.7506, 7.7921, 6.7045



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.6555, 17.4651, 8.8352



20.3616, 29.8250, 12.2668



11.6875, 16.9216, 10.7937



4.3866, 4.8757, 4.6300



8.4452, 15.7160, 2.5884



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.5143, 9.4565, 20.9053



20.0659, 13.8336, 36.3569



14.0282, 10.3132, 17.5321



4.3780, 4.3504, 5.4222



8.0531, 3.7052, 20.5407



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.6551, 17.4643, 8.8348 looks on a white background.

Color Contrast Check

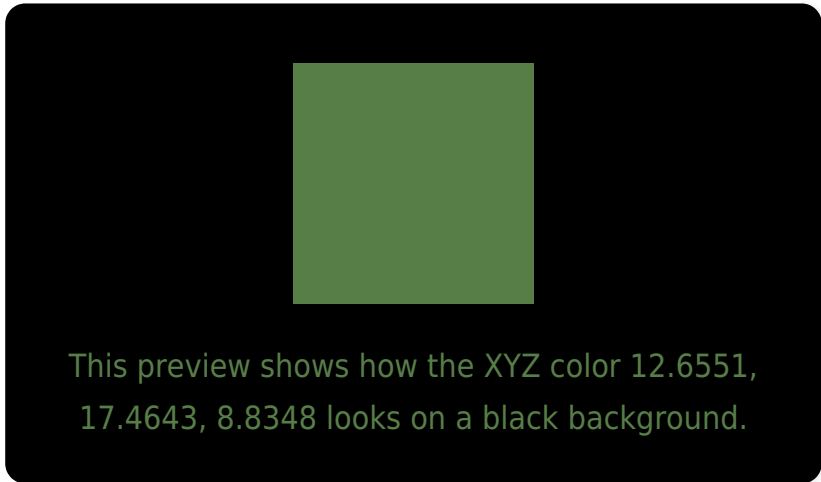
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6551, 17.4643, 8.8348

Background



This preview shows how black text looks on a background with the XYZ color 12.6551, 17.4643, 8.8348.



This preview shows how white text looks on a background with the XYZ color 12.6551, 17.4643,

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

12.6551, 17.4643, 8.8348

Protanopia

16.0412, 17.4202, 7.9858

Deuteranopia

17.6364, 17.3796, 9.2625



Tritanopia

15.4890, 17.3200, 23.2956

Trichromacy



Original Color

12.6551, 17.4643, 8.8348

Protanomaly

14.6007, 17.3733, 8.2141

Deuteranomaly

15.2611, 16.9919, 9.1320

Tritanomaly

14.2824, 17.3815, 16.7896

Monochromacy



Original Color

12.6551, 17.4643, 8.8348

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.5631, 15.8544, 13.1718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6551, 17.4643, 8.8348 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(88, 126, 72)` looks like.

```
.text, #text, p{  
    color:rgb(88, 126, 72)  
}
```

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(88, 126, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 126, 72) }
```

Border

The CSS property to change the border of an element to XYZ 12.6551, 17.4643, 8.8348 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(88, 126, 72) }
```


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

```
.border{ border-color:rgb(88, 126, 72) }
```

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

Here you see how a box with a 4 pixel rgb(88, 126, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 126, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 126, 72);  
box-shadow:4px 4px 4px 4px rgb(88, 126,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6551, 17.4643, 8.8348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 126, 72) }
```

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

```
.background{ background-color: rgb(88, 126,  
72) }
```

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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