

Converting Colors

XYZ(13.6717, 17.1612, 12.4894)

Have a look what the booklet for
XYZ(13.6717, 17.1612, 12.4894)
contains.

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Color

**XYZ(13.6717, 17.1612,
12.4894)**

Conversions

Conversions Part 1

Format	Color
Hex	607A5B
RGB	96, 122, 91
RGB Percent	38%, 48%, 36%
CMY	0.6235, 0.5216, 0.6431
CMYK	0.21, 0.00, 0.25, 0.52
HSL	110°, 15%, 42%
HSV	110°, 25%, 48%
XYZ	13.6717, 17.1612, 12.4894
YIQ	110.6920, -5.5450, -15.1530

Conversions

Conversions Part 2

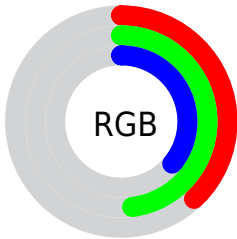
Format	Color
R_{YB}	91, 122, 117
Decimal	6322779
CIE Lab	48.46, -15.88, 13.97
CIE LCh	48, 21.146, 138.664
Yxy	17.1612, 0.3156, 0.3961
Android (android.graphics.Color)	4284512859 (0xFF607A5B)
YUV	110.6920, -9.7082, -12.8849
Hunter-Lab	41.4261, -13.5859, 11.1231

Details

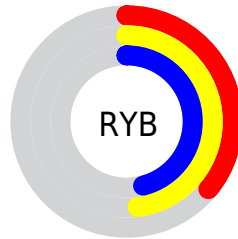
The XYZ color **13.6717, 17.1612, 12.4894** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.5909, 12.6698, 20.0898**, and the grayscale version is **15.0489, 15.8326, 17.2418**.

A 20% lighter version of the original color is **32.1703, 38.7861, 30.9902**, and **4.1228, 5.6075, 3.3477** is the 20% darker color. If you saturate the color by 10%, you get **12.1803, 16.4488, 9.8922**, and if you desaturate by 10%, it is **15.3898, 17.9816, 15.5447**.

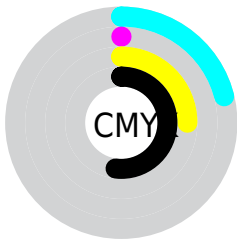
Distribution



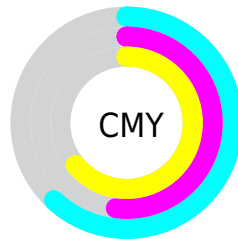
- Red (38%)
- Green (48%)
- Blue (36%)



- Red (36%)
- Yellow (48%)
- Blue (46%)



- Cyan (21%)
- Magenta (0%)
- Yellow (25%)
- Black (52%)



- Cyan (62%)
- Magenta (52%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6717, 17.1612, 12.4894 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 13.6717, 17.1612, 12.4894 by changing the saturation by 10% instead.

■ 13.6717, 17.1612,
12.4894

■ 13.6717, 17.1612,
12.4894

208.7305,
236.0996, 218.7105

■ 7.9729, 10.3495,
6.9513

■ 32.0965, 38.6027,
31.0610

■ 4.1292, 5.6313,
3.3537

■ 45.5532, 54.0013,
44.9316

■ 1.7755, 2.6222,
1.2779

■ 62.3265, 73.0310,
62.4168

■ 0.5028, 0.9378,
0.0436

■ 82.7819, 96.0762,
83.9351

■ 0.0000, 0.0000,
0.0000

107.2846,
123.5213, 109.9051

136.2001,

155.7506, 140.7453

169.8936,
193.1486, 176.8743

■ 13.6717, 17.1612,
12.4894

■ 13.6717, 17.1612,
12.4894

■ 12.1803, 16.4488,
9.8922

■ 15.3898, 17.9816,
15.5447

■ 10.9047, 15.8377,
7.7298

■ 17.3422, 18.9119,
19.0775

■ 9.8351, 15.3240,
5.9790

■ 19.5377, 19.9568,
23.1073

■ 8.9607, 14.9025,
4.6135

■ 21.9844, 21.1200,
27.6525

■ 8.2692, 14.5677,
3.6043

■ 24.6899, 22.4052,
32.7302

■ 7.7471, 14.3132,
2.9181

■ 27.6615, 23.8157,
38.3571

■ 7.3761, 14.1308,
2.4995

■ 30.9064, 25.3548,
44.5488

■ 7.2418, 14.0651,
2.3332

■ 34.4312, 27.0256,
51.3205

■ 38.2424, 28.8313,
58.6868

Harmonies

Analogous

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



15.1482, 17.1612, 10.2929



13.6717, 17.1612, 12.4894



12.9254, 17.1612, 16.6666

Triad

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



13.6717, 17.1612, 12.4894



15.5901, 17.1612, 31.2154



20.1000, 17.1612, 15.4761

Complementary

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



13.6717, 17.1612, 12.4894



14.5909, 12.6698, 20.0898

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.



20.2419, 17.1612, 20.8615



13.6717, 17.1612, 12.4894



17.5322, 17.1612, 30.7213

Square

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



13.6717, 17.1612, 12.4894



13.9731, 17.1612, 27.8924



19.2703, 17.1612, 26.6523



18.8966, 17.1612, 11.7670

Rectangle

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



13.6717, 17.1612, 12.4894



12.8996, 17.1612, 20.3388



19.2703, 17.1612, 26.6523



20.2768, 17.1612, 17.1246

Sweetspot

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



13.6722, 17.1619, 12.4898



29.5106, 32.7947, 31.7458



16.2570, 17.5775, 12.4338



6.6455, 7.4499, 7.0734



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.6722, 17.1619, 12.4898



22.6095, 29.5021, 19.4467



13.6398, 17.0902, 14.9780



4.0056, 4.4782, 4.2777



7.6188, 14.8049, 2.4561



35.8547, 70.3692, 11.6929

Inverse Universe

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



14.5909, 12.6698, 20.0898



24.4897, 20.2961, 35.0197



14.6739, 12.7826, 16.9267



4.0941, 4.0464, 5.0084



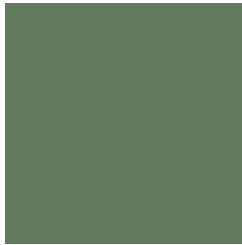
9.5009, 4.4707, 19.7475



44.7194, 21.0157, 94.1693

Previews

White Background



This preview shows how the XYZ color 13.6717, 17.1612, 12.4894 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



This preview shows how the XYZ color 13.6717, 17.1612, 12.4894 looks on a 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 13.6717, 17.1612, 12.4894

Background



This preview shows how black text looks on a background with the XYZ color 13.6717, 17.1612, 12.4894.



This preview shows how white text looks on a background with the XYZ color 13.6717, 17.1612,

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

13.6717, 17.1612, 12.4894

Protanopia

16.0606, 17.1770, 11.7015

Deuteranopia

17.2246, 16.9287, 12.7157



Tritanopia

15.6715, 17.0797, 22.5494

Trichromacy



Original Color

13.6717, 17.1612, 12.4894

Protanomaly

15.0917, 17.1888, 11.9736

Deuteranomaly

15.6948, 16.8004, 12.5408

Tritanomaly

14.8896, 17.1179, 18.4389

Monochromacy



Original Color

13.6717, 17.1612, 12.4894

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.5733, 16.3251, 15.4797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6717, 17.1612, 12.4894 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(96, 122, 91) looks like.

```
.text, #text, p{  
    color:rgb(96, 122, 91)  
}
```

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(96, 122, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 122, 91) }
```

Border

The CSS property to change the border of an element to XYZ 13.6717, 17.1612, 12.4894 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(96, 122, 91) }
```


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

```
.border{ border-color:rgb(96, 122, 91) }
```

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

Here you see how a box with a 4 pixel rgb(96, 122, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 122, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 122, 91);  
box-shadow:4px 4px 4px 4px rgb(96, 122,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6717, 17.1612, 12.4894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 122, 91) }
```

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

```
.background{ background-color: rgb(96, 122,  
91) }
```

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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