

Converting Colors

XYZ(12.4607, 14.6610, 8.4854)

Have a look what the booklet for
XYZ(12.4607, 14.6610, 8.4854)
contains.

XYZ(12.4806, 14.7335, 8.4894)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.4806, 14.7335,
8.4894)**

Conversions

Conversions Part 1

Format	Color
Hex	676F49
RGB	103, 111, 73
RGB Percent	40%, 44%, 29%
CMY	0.5961, 0.5647, 0.7137
CMYK	0.07, 0.00, 0.34, 0.56
HSL	73°, 21%, 36%
HSV	73°, 34%, 44%
XYZ	12.4806, 14.7335, 8.4894
YIQ	104.2760, 7.4300, -13.5140

Conversions

Conversions Part 2

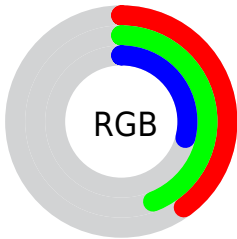
Format	Color
RYB	73, 111, 81
Decimal	6778697
CIELab	45.27, -9.94, 20.19
CIELCh	45, 22.507, 116.220
Yxy	14.7335, 0.3496, 0.4127
Android (android.graphics.Color)	4284968777 (0xFF676F49)
YUV	104.2760, -15.4191, -1.1191
Hunter-Lab	38.3842, -9.1333, 13.7559

Details

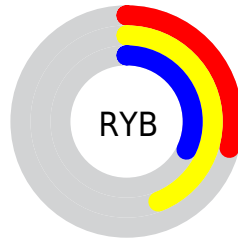
The XYZ color **12.4806, 14.7335, 8.4894** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.6457, 7.6625, 16.0631**, and the grayscale version is **13.2711, 13.9622, 15.2049**.

A 20% lighter version of the original color is **30.1276, 34.5681, 23.4968**, and **3.5627, 4.4511, 1.7700** is the 20% darker color. If you saturate the color by 10%, you get **11.8807, 14.4635, 6.7088**, and if you desaturate by 10%, it is **13.1545, 15.0350, 10.6171**.

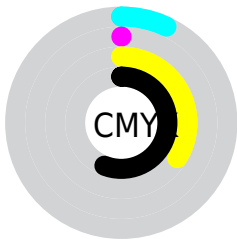
Distribution



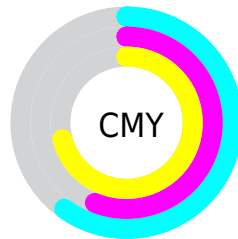
- Red (40%)
- Green (44%)
- Blue (29%)



- Red (29%)
- Yellow (44%)
- Blue (32%)



- Cyan (7%)
- Magenta (0%)
- Yellow (34%)
- Black (56%)



- Cyan (60%)
- Magenta (56%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4806, 14.7335, 8.4894 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 12.4806, 14.7335, 8.4894 by changing the saturation by 10% instead.

■ 12.4806, 14.7335,
8.4894

■ 12.4806, 14.7335,
8.4894

201.2671,
221.7474, 189.5974

■ 7.1464, 8.6326,
4.3174

■ 29.9768, 34.3850,
23.4742

■ 3.6010, 4.5023,
1.8011

■ 42.8694, 48.7043,
35.1242

■ 1.4790, 1.9583,
0.4287

■ 59.0123, 66.5319,
50.1039

■ 0.3115, 0.5831,
0.0000

■ 78.7707, 88.2521,
68.8319

■ 0.0000, 0.0000,
0.0000

■ 102.5101,
114.2494, 91.7267

130.5957,

144.9081, 119.2068

163.3929,
180.6127, 151.6909

■ 12.4806, 14.7335,
8.4894

■ 12.4806, 14.7335,
8.4894

■ 11.8807, 14.4635,
6.7088

■ 13.1545, 15.0350,
10.6171

■ 11.3501, 14.2216,
5.2558

■ 13.9044, 15.3672,
13.1080

■ 10.8853, 14.0068,
4.1107

■ 14.7340, 15.7322,
15.9783

■ 10.4819, 13.8175,
3.2512

■ 15.6461, 16.1311,
19.2429

■ 10.1352, 13.6516,
2.6519

■ 16.6435, 16.5650,
22.9162

■ 9.8373, 13.5062,
2.2722

■ 17.7287, 17.0349,
27.0114

■ 9.6741, 13.4261,
2.0816

■ 18.9043, 17.5419,
31.5415

■ 20.1726, 18.0869,
36.5189

■ 21.5359, 18.6708,
41.9552

Harmonies

Analogous

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



14.2411, 14.7335, 7.8314



12.4806, 14.7335, 8.4894



11.2335, 14.7335, 10.9896

Triad

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



12.4806, 14.7335, 8.4894



12.1058, 14.7335, 26.1641



17.8890, 14.7335, 16.7278

Complementary

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



12.4806, 14.7335, 8.4894



8.6457, 7.6625, 16.0631

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.



17.1956, 14.7335, 22.4458



12.4806, 14.7335, 8.4894



13.7690, 14.7335, 28.6040

Square

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



12.4806, 14.7335, 8.4894



11.0310, 14.7335, 21.0128



15.6460, 14.7335, 27.1119



17.4677, 14.7335, 11.9248

Rectangle

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



12.4806, 14.7335, 8.4894



10.8062, 14.7335, 13.7217



15.6460, 14.7335, 27.1119



17.7770, 14.7335, 18.6108

Sweetspot

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



12.4810, 14.7342, 8.4897



25.4682, 27.7680, 25.4245



10.6715, 9.6866, 7.6108



6.0803, 6.6543, 5.9765



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.4810, 14.7342, 8.4897



21.4903, 25.9962, 12.6379



10.5796, 13.7540, 8.4007



3.5765, 3.8825, 3.6342



11.3776, 15.8091, 2.4518



55.9417, 78.3730, 12.1791

Inverse Universe

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



8.6457, 7.6625, 16.0631



13.5163, 11.2856, 28.3957



10.4637, 8.5997, 16.1482



3.2772, 3.3312, 4.2245



3.7879, 1.5621, 17.8235



18.2632, 7.4694, 88.7583

Previews

White Background



This preview shows how the XYZ color 12.4806, 14.7335, 8.4894 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 12.4806, 14.7335, 8.4894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

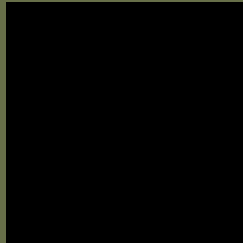
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

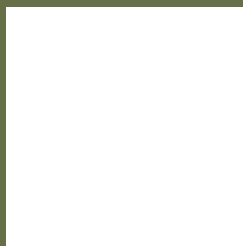
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4806, 14.7335, 8.4894

Background



This preview shows how black text looks on a background with the XYZ color 12.4806, 14.7335, 8.4894.



This preview shows how white text looks on a background with the XYZ color 12.4806, 14.7335,

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

12.4806, 14.7335, 8.4894

Protanopia

13.5975, 14.6833, 8.0787

Deuteranopia

14.7738, 14.5228, 8.6811



Tritanopia

14.3756, 14.7111, 18.0014

Trichromacy



Original Color

12.4806, 14.7335, 8.4894

Protanomaly

13.0878, 14.5725, 8.2539

Deuteranomaly

13.7588, 14.4491, 8.5424

Tritanomaly

13.5586, 14.6901, 13.9252

Monochromacy



Original Color

12.4806, 14.7335, 8.4894

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9424, 14.2488, 12.4241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4806, 14.7335, 8.4894 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(103, 111, 73)` looks like.

```
.text, #text, p{  
    color:rgb(103, 111, 73)  
}
```

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(103, 111, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 111, 73) }
```

Border

The CSS property to change the border of an element to XYZ 12.4806, 14.7335, 8.4894 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(103, 111, 73) }
```


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

```
.border{ border-color:rgb(103, 111, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 111, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 111, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 111, 73);  
box-shadow:4px 4px 4px 4px rgb(103, 111,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4806, 14.7335, 8.4894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 111, 73) }
```

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

```
.background{ background-color: rgb(103,  
111, 73) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor