

Converting Colors

XYZ(12.9738, 16.0392, 8.9157)

Have a look what the booklet for
XYZ(12.9738, 16.0392, 8.9157)
contains.

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Color

**XYZ(12.9641, 15.9837,
8.8804)**

Conversions

Conversions Part 1

Format	Color
Hex	65754A
RGB	101, 117, 74
RGB Percent	40%, 46%, 29%
CMY	0.6039, 0.5412, 0.7098
CMYK	0.14, 0.00, 0.37, 0.54
HSL	82°, 23%, 37%
HSV	82°, 37%, 46%
XYZ	12.9641, 15.9837, 8.8804
YIQ	107.3140, 4.2670, -16.7650

Conversions

Conversions Part 2

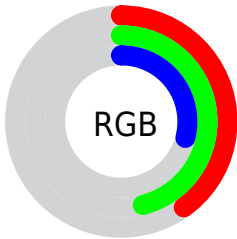
Format	Color
RYB	74, 117, 90
Decimal	6649162
CIELab	46.95, -13.97, 21.81
CIElCh	47, 25.898, 122.648
Yxy	15.9837, 0.3427, 0.4225
Android (android.graphics.Color)	4284839242 (0xFF65754A)
YUV	107.3140, -16.4238, -5.5374
Hunter-Lab	39.9796, -12.0825, 14.8161

Details

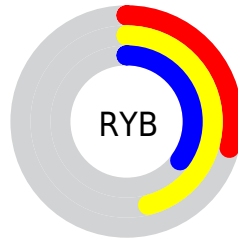
The XYZ color **12.9641, 15.9837, 8.8804** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.8768, 8.3560, 17.9229**, and the grayscale version is **14.1061, 14.8407, 16.1615**.

A 20% lighter version of the original color is **30.9000, 36.5783, 24.1706**, and **3.8181, 5.1018, 1.9459** is the 20% darker color. If you saturate the color by 10%, you get **12.1315, 15.5964, 6.9718**, and if you desaturate by 10%, it is **13.8967, 16.4151, 11.1771**.

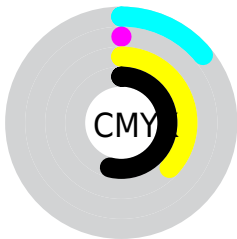
Distribution



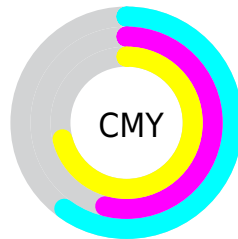
- Red (40%)
- Green (46%)
- Blue (29%)



- Red (29%)
- Yellow (46%)
- Blue (35%)



- Cyan (14%)
- Magenta (0%)
- Yellow (37%)
- Black (54%)



- Cyan (60%)
- Magenta (54%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9641, 15.9837, 8.8804 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 12.9641, 15.9837, 8.8804 by changing the saturation by 10% instead.

■ 12.9641, 15.9837,
8.8804

■ 12.9641, 15.9837,
8.8804

204.3297,
229.2455, 192.6683

■ 7.4807, 9.5126,
4.5675

■ 30.8411, 36.5699,
24.2412

■ 3.8135, 5.0770,
1.9416

■ 43.9654, 51.4538,
36.1262

■ 1.5972, 2.2925,
0.5190

■ 60.3674, 69.9108,
51.3723

■ 0.3906, 0.7698,
0.0000

■ 80.4124, 92.3252,
70.3980

■ 0.0000, 0.0000,
0.0000

■ 104.4658,
119.0815, 93.6219

132.8929,

150.5641, 121.4626

166.0591,
187.1573, 154.3385

■ 12.9641, 15.9837,
8.8804

■ 12.9641, 15.9837,
8.8804

■ 12.1315, 15.5964,
6.9718

■ 13.8967, 16.4151,
11.1771

■ 11.3932, 15.2491,
5.4289

■ 14.9323, 16.8902,
13.8808

■ 10.7447, 14.9407,
4.2283

■ 16.0750, 17.4112,
17.0102

■ 10.1807, 14.6690,
3.3439

■ 17.3287, 17.9797,
20.5828

■ 9.6949, 14.4313,
2.7454

■ 18.6967, 18.5971,
24.6147

■ 9.2742, 14.2224,
2.3655

■ 20.1823, 19.2648,
29.1217

■ 9.1443, 14.1578,
2.2508

■ 21.7888, 19.9840,
34.1184

■ 23.5191, 20.7561,
39.6191

■ 25.3761, 21.5821,
45.6374

Harmonies

Analogous

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



14.9919, 15.9837, 7.6896



12.9641, 15.9837, 8.8804



11.6467, 15.9837, 12.2844

Triad

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



12.9641, 15.9837, 8.8804



13.2798, 15.9837, 30.9792



19.9647, 15.9837, 16.8342

Complementary

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



12.9641, 15.9837, 8.8804



9.8768, 8.3560, 17.9229

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.



19.3924, 15.9837, 23.7776



12.9641, 15.9837, 8.8804



15.3939, 15.9837, 33.0498

Square

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



12.9641, 15.9837, 8.8804



11.8159, 15.9837, 25.0265



17.6616, 15.9837, 30.1414



19.1568, 15.9837, 11.5108

Rectangle

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



12.9641, 15.9837, 8.8804



11.2734, 15.9837, 15.8576



17.6616, 15.9837, 30.1414



19.9274, 15.9837, 19.0468

Sweetspot

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



12.9645, 15.9844, 8.8807



27.8327, 30.7436, 27.8231



12.2093, 11.5499, 8.0646



6.3513, 7.0466, 6.2658



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.9645, 15.9844, 8.8807



21.9521, 28.0343, 12.9908



10.8836, 14.9117, 8.7834



3.8408, 4.2014, 3.9508



10.0571, 15.5890, 2.4789



48.0394, 75.4670, 12.0346

Inverse Universe

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



9.8768, 8.3560, 17.9229



15.5741, 12.2667, 31.6839



12.2494, 9.5791, 18.0339



3.6175, 3.6501, 4.6041



4.6443, 1.9856, 18.6810



21.7540, 9.2231, 90.9940

Previews

White Background



This preview shows how the XYZ color 12.9641, 15.9837, 8.8804 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 12.9641, 15.9837, 8.8804 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 12.9641, 15.9837, 8.8804

Background



This preview shows how black text looks on a background with the XYZ color 12.9641, 15.9837, 8.8804.



This preview shows how white text looks on a background with the XYZ color 12.9641, 15.9837,

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

12.9641, 15.9837, 8.8804

Protanopia

14.7393, 15.9017, 8.4234

Deuteranopia

16.1314, 15.8164, 9.0401



Tritanopia

15.1380, 15.8507, 20.0309

Trichromacy



Original Color

12.9641, 15.9837, 8.8804

Protanomaly

14.0472, 15.8687, 8.6259

Deuteranomaly

14.7311, 15.7248, 8.9154

Tritanomaly

14.1790, 15.7928, 15.1330

Monochromacy



Original Color

12.9641, 15.9837, 8.8804

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5757, 15.1984, 13.0445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9641, 15.9837, 8.8804 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(101, 117, 74)` looks like.

```
.text, #text, p{  
    color:rgb(101, 117, 74)  
}
```

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(101, 117, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 117, 74) }
```

Border

The CSS property to change the border of an element to XYZ 12.9641, 15.9837, 8.8804 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(101, 117, 74) }
```


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

```
.border{ border-color:rgb(101, 117, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 117, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 117, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 117, 74);  
box-shadow:4px 4px 4px 4px rgb(101, 117,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9641, 15.9837, 8.8804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 117, 74) }
```

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

```
.background{ background-color: rgb(101,  
117, 74) }
```

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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