

Converting Colors

XYZ(15.7992, 14.9531, 12.5256)

Have a look what the booklet for
XYZ(15.7992, 14.9531, 12.5256)
contains.

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Color

**XYZ(15.7804, 14.9602,
12.4118)**

Conversions

Conversions Part 1

Format	Color
Hex	81665D
RGB	129, 102, 93
RGB Percent	51%, 40%, 36%
CMY	0.4941, 0.6000, 0.6353
CMYK	0.00, 0.21, 0.28, 0.49
HSL	15°, 16%, 44%
HSV	15°, 28%, 51%
XYZ	15.7804, 14.9602, 12.4118
YIQ	109.0470, 18.9810, 2.9250

Conversions

Conversions Part 2

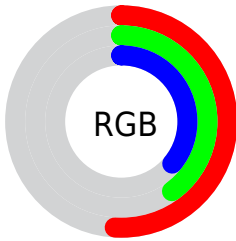
Format	Color
R_{YB}	129, 105, 93
Decimal	8480349
CIE _{Lab}	45.58, 9.38, 9.20
CIE _{LCh}	46, 13.136, 44.442
Yxy	14.9602, 0.3657, 0.3467
Android (android.graphics.Color)	4286670429 (0xFF81665D)
YUV	109.0470, -7.9112, 17.4988
Hunter-Lab	38.6784, 5.1389, 8.0489

Details

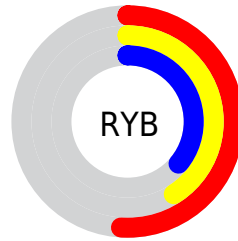
The XYZ color **15.7804, 14.9602, 12.4118** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.1929, 17.3445, 23.3159**, and the grayscale version is **14.5675, 15.3261, 16.6901**.

A 20% lighter version of the original color is **35.6406, 34.7107, 30.8080**, and **5.1037, 4.5999, 3.3082** is the 20% darker color. If you saturate the color by 10%, you get **14.3607, 12.9593, 9.3535**, and if you desaturate by 10%, it is **17.4083, 17.2230, 16.0155**.

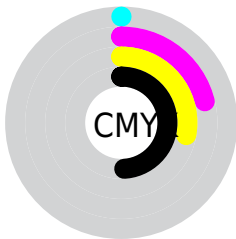
Distribution



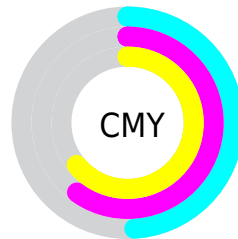
- Red (51%)
- Green (40%)
- Blue (36%)



- Red (51%)
- Yellow (41%)
- Blue (36%)



- Cyan (0%)
- Magenta (21%)
- Yellow (28%)
- Black (49%)



- Cyan (49%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7804, 14.9602, 12.4118 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 15.7804, 14.9602, 12.4118 by changing the saturation by 10% instead.

■ 15.7804, 14.9602,
12.4118

■ 15.7804, 14.9602,
12.4118

221.3384,
223.1252, 218.1866

■ 9.4588, 8.7915,
6.8988

■ 35.7771, 34.7833,
30.9185

■ 5.1011, 4.6054,
3.3214

■ 50.1828, 49.2065,
44.7493

■ 2.3421, 2.0177,
1.2610

■ 68.0140, 67.1500,
62.1898

■ 0.8161, 0.6177,
0.0295

■ 89.6359, 88.9981,
83.6585

■ 0.0000, 0.0000,
0.0000

115.4139,
115.1353, 109.5740

145.7135,

145.9460, 140.3548

180.8998,
181.8145, 176.4195

■ 15.7804, 14.9602,
12.4118

■ 15.7804, 14.9602,
12.4118

■ 14.3607, 12.9593,
9.3535

■ 17.4083, 17.2230,
16.0155

■ 13.1394, 11.2087,
6.8128

■ 19.2512, 19.7546,
20.1885

■ 12.1075, 9.6990,
4.7611

■ 21.3174, 22.5643,
24.9544

■ 11.2551, 8.4192,
3.1665

■ 23.6140, 25.6604,
30.3353

■ 10.5711, 7.3578,
1.9933

■ 26.1479, 29.0506,
36.3521

■ 10.0430, 6.5017,
1.2003

■ 28.9259, 32.7426,
43.0247

■ 9.6483, 5.8335,
0.6950

■ 31.9544, 36.7436,
50.3721

■ 9.5768, 5.7142,
0.5982

■ 35.2393, 41.0606,
58.4126

■ 38.7868, 45.7005,
67.1638

Harmonies

Analogous

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



16.3632, 14.9602, 14.8273



15.7804, 14.9602, 12.4118



14.7930, 14.9602, 11.1311

Triad

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



15.7804, 14.9602, 12.4118



12.2808, 14.9602, 14.7206



14.7523, 14.9602, 22.8739

Complementary

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



15.7804, 14.9602, 12.4118



15.1929, 17.3445, 23.3159

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.



13.6605, 14.9602, 22.8357



15.7804, 14.9602, 12.4118



12.2712, 14.9602, 17.8440

Square

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



15.7804, 14.9602, 12.4118



12.7916, 14.9602, 12.3424



12.7646, 14.9602, 20.8999



15.7492, 14.9602, 20.9984

Rectangle

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



15.7804, 14.9602, 12.4118



14.0563, 14.9602, 10.9741



12.7646, 14.9602, 20.8999



14.3834, 14.9602, 23.0914

Sweetspot

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



15.7808, 14.9609, 12.4121



34.3766, 35.2419, 35.9287



16.3579, 13.8520, 19.5809



7.6779, 7.8359, 7.8971



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.



15.7808, 14.9609, 12.4121



26.7239, 24.6332, 18.8985



17.7456, 18.8904, 13.0670



4.4084, 4.5056, 4.5574



9.3405, 5.5774, 0.5842



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.1929, 17.3445, 23.3159



25.4987, 29.5802, 41.5581



13.2282, 13.4150, 22.6610



4.3582, 4.7105, 5.4928



8.0112, 9.8410, 21.7272



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.7804, 14.9602, 12.4118 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 15.7804, 14.9602, 12.4118 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 15.7804, 14.9602, 12.4118

Background



This preview shows how black text looks on a background with the XYZ color 15.7804, 14.9602, 12.4118.



This preview shows how white text looks on a background with the XYZ color 15.7804, 14.9602,

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

15.7804, 14.9602, 12.4118

Protanopia

14.2839, 15.0804, 13.2243

Deuteranopia

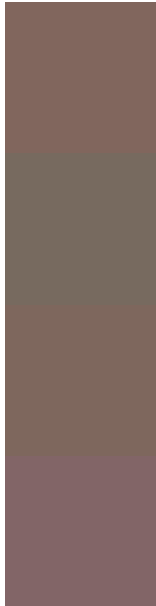
15.2383, 14.9760, 12.4434



Tritanopia

16.6240, 15.0223, 16.2108

Trichromacy



Original Color

15.7804, 14.9602, 12.4118

Protanomaly

14.8273, 15.0562, 12.9511

Deuteranomaly

15.4302, 14.9264, 12.4238

Tritanomaly

16.3078, 15.0325, 14.8740

Monochromacy



Original Color

15.7804, 14.9602, 12.4118

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.8047, 15.0003, 14.9470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7804, 14.9602, 12.4118 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(129, 102, 93)` looks like.

```
.text, #text, p{  
    color:rgb(129, 102, 93)  
}
```

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(129, 102, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 102, 93) }
```

Border

The CSS property to change the border of an element to XYZ 15.7804, 14.9602, 12.4118 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(129, 102, 93) }
```


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

```
.border{ border-color:rgb(129, 102, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 102, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 102, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 102, 93);  
box-shadow:4px 4px 4px 4px rgb(129, 102,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7804, 14.9602, 12.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 102, 93) }
```

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

```
.background{ background-color: rgb(129,  
102, 93) }
```

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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