

Converting Colors

XYZ(15.9991, 15.0215, 14.7439)

Have a look what the booklet for
XYZ(15.9991, 15.0215, 14.7439)
contains.

XYZ(16.0517, 15.0512, 14.6295)	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(16.0517, 15.0512,
14.6295)**

Conversions

Conversions Part 1

Format	Color
Hex	806666
RGB	128, 102, 102
RGB Percent	50%, 40%, 40%
CMY	0.4980, 0.6000, 0.6000
CMYK	0.00, 0.20, 0.20, 0.50
HSL	0°, 11%, 45%
HSV	0°, 20%, 50%
XYZ	16.0517, 15.0512, 14.6295
YIQ	109.7740, 15.4960, 5.5120

Conversions

Conversions Part 2

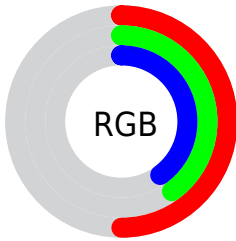
Format	Color
R_{YB}	128, 102, 102
Decimal	8414822
CIE _{Lab}	45.70, 10.41, 3.95
CIE _{LCh}	46, 11.132, 20.786
Yxy	15.0512, 0.3510, 0.3291
Android (android.graphics.Color)	4286604902 (0xFF806666)
YUV	109.7740, -3.8326, 15.9842
Hunter-Lab	38.7959, 5.9612, 4.7995

Details

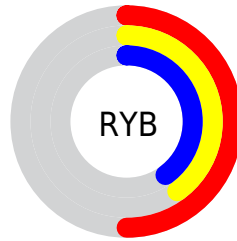
The XYZ color **16.0517, 15.0512, 14.6295** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.0948, 19.8211, 23.3471**, and the grayscale version is **14.7641, 15.5330, 16.9154**.

A 20% lighter version of the original color is **36.1971, 34.9061, 34.9668**, and **5.1977, 4.6279, 4.2338** is the 20% darker color. If you saturate the color by 10%, you get **14.3031, 12.4927, 11.1529**, and if you desaturate by 10%, it is **18.0934, 18.0388, 18.6878**.

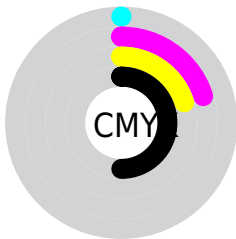
Distribution



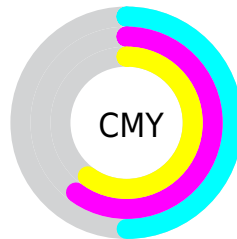
- Red (50%)
- Green (40%)
- Blue (40%)



- Red (50%)
- Yellow (40%)
- Blue (40%)



- Cyan (0%)
- Magenta (20%)
- Yellow (20%)
- Black (50%)



- Cyan (50%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0517, 15.0512, 14.6295 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 16.0517, 15.0512, 14.6295 by changing the saturation by 10% instead.

■ 16.0517, 15.0512,
14.6295

■ 16.0517, 15.0512,
14.6295

222.9110,
223.6759, 232.6756

■ 9.6518, 8.8553,
8.4161

■ 36.2447, 34.9430,
34.9349

■ 5.2292, 4.6469,
4.2707

■ 50.7684, 49.4077,
49.8640

■ 2.4185, 2.0416,
1.7750

■ 68.7309, 67.3974,
68.5354

■ 0.8543, 0.6315,
0.4114

■ 90.4974, 89.2966,
91.3676

■ 0.0000, 0.0000,
0.0000

116.4333,
115.4897, 118.7792

146.9040,

146.3610, 151.1887

182.2748,
182.2949, 189.0147

■ 16.0517, 15.0512,
14.6295

■ 16.0517, 15.0512,
14.6295

■ 14.3031, 12.4927,
11.1529

■ 18.0934, 18.0388,
18.6878

■ 12.8331, 10.3415,
8.2305

■ 20.4394, 21.4716,
23.3517

■ 11.6275, 8.5774,
5.8339

■ 23.1020, 25.3677,
28.6450

■ 10.6707, 7.1774,
3.9319

■ 26.0923, 29.7433,
34.5898

■ 9.9454, 6.1160,
2.4901

■ 29.4209, 34.6139,
41.2073

■ 9.4319, 5.3645,
1.4694

■ 33.0980, 39.9944,
48.5175

■ 9.1075, 4.8898,
0.8246

■ 37.1332, 45.8990,
56.5399

■ 8.9023, 4.5895,
0.4167

■ 41.5360, 52.3413,
65.2929

■ 46.3153, 59.3346,
74.7944

Harmonies

Analogous

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



16.1531, 15.0512, 17.2259



16.0517, 15.0512, 14.6295



15.4717, 15.0512, 12.7167

Triad

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



16.0517, 15.0512, 14.6295



12.9586, 15.0512, 13.3461



14.0200, 15.0512, 22.0089

Complementary

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



16.0517, 15.0512, 14.6295



17.0948, 19.8211, 23.3471

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.



13.1998, 15.0512, 20.7060



16.0517, 15.0512, 14.6295



12.6048, 15.0512, 15.5781

Square

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



16.0517, 15.0512, 14.6295



13.6777, 15.0512, 12.0337



12.6912, 15.0512, 18.2825



14.9527, 15.0512, 21.6838

Rectangle

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



16.0517, 15.0512, 14.6295



14.9051, 15.0512, 11.9944



12.6912, 15.0512, 18.2825



13.7226, 15.0512, 21.7420

Sweetspot

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



16.0521, 15.0519, 14.6298



33.5137, 34.1855, 36.1981



17.5499, 15.6506, 22.5181



7.7970, 7.9313, 8.3766



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.



16.0521, 15.0519, 14.6298



26.8950, 24.5006, 23.0401



17.4312, 17.8101, 15.0895



4.3278, 4.3443, 4.5306



8.8272, 4.5508, 0.4131



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.0948, 19.8211, 23.3471



29.0499, 34.3576, 41.0569



15.5067, 16.6449, 22.8177



4.4464, 4.8868, 5.5222



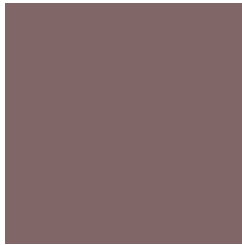
11.5160, 16.8506, 22.8955



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.0517, 15.0512, 14.6295 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 16.0517, 15.0512, 14.6295 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 16.0517, 15.0512, 14.6295

Background



This preview shows how black text looks on a background with the XYZ color 16.0517, 15.0512, 14.6295.



This preview shows how white text looks on a background with the XYZ color 16.0517, 15.0512,

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

16.0517, 15.0512, 14.6295

Protanopia

14.4679, 15.1246, 15.5214

Deuteranopia

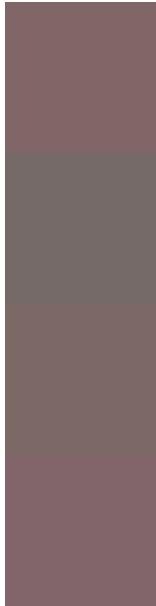
15.2857, 15.1077, 14.4223



Tritanopia

16.4673, 15.0786, 16.5105

Trichromacy



Original Color

16.0517, 15.0512, 14.6295

Protanomaly

14.9888, 15.0895, 15.2193

Deuteranomaly

15.6115, 15.1253, 14.4086

Tritanomaly

16.3085, 15.0151, 15.6743

Monochromacy



Original Color

16.0517, 15.0512, 14.6295

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.2477, 15.3588, 16.0708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0517, 15.0512, 14.6295 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(128, 102, 102)` looks like.

```
.text, #text, p{  
    color:rgb(128, 102, 102)  
}
```

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(128, 102, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 102, 102) }
```

Border

The CSS property to change the border of an element to XYZ 16.0517, 15.0512, 14.6295 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(128, 102, 102) }
```


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

```
.border{ border-color:rgb(128, 102, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 102, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 102, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 102, 102);  
box-shadow:4px 4px 4px 4px rgb(128, 102,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0517, 15.0512, 14.6295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 102, 102) }
```

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

```
.background{ background-color: rgb(128,  
102, 102) }
```

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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