

Converting Colors

XYZ(15.9630, 16.1719, 18.2129)

Have a look what the booklet for
XYZ(15.9630, 16.1719, 18.2129)
contains.

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Color

**XYZ(15.9493, 16.1487,
18.1960)**

Conversions

Conversions Part 1

Format	Color
Hex	756E72
RGB	117, 110, 114
RGB Percent	46%, 43%, 45%
CMY	0.5412, 0.5686, 0.5529
CMYK	0.00, 0.06, 0.03, 0.54
HSL	326°, 3%, 45%
HSV	326°, 6%, 46%
XYZ	15.9493, 16.1487, 18.1960
YIQ	112.5490, 2.8880, 2.7280

Conversions

Conversions Part 2

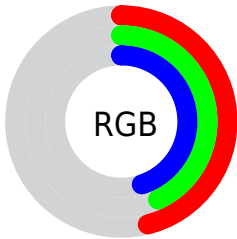
Format	Color
R_{YB}	117, 110, 114
Decimal	7695986
CIE Lab	47.17, 3.51, -1.25
CIE LCh	47, 3.722, 340.361
Yxy	16.1487, 0.3171, 0.3211
Android (android.graphics.Color)	4285886066 (0xFF756E72)
YUV	112.5490, 0.7153, 3.9035
Hunter-Lab	40.1854, 0.5208, 1.2833

Details

The XYZ color **15.9493, 16.1487, 18.1960** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.7729, 17.2302, 18.1180**, and the grayscale version is **15.5604, 16.3707, 17.8277**.

A 20% lighter version of the original color is **36.1655, 37.0289, 41.3176**, and **5.1602, 5.1038, 5.8674** is the 20% darker color. If you saturate the color by 10%, you get **14.4918, 13.6779, 16.3402**, and if you desaturate by 10%, it is **17.5901, 18.9605, 20.1906**.

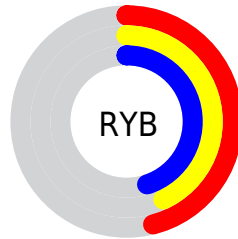
Distribution



Red (46%)

Green (43%)

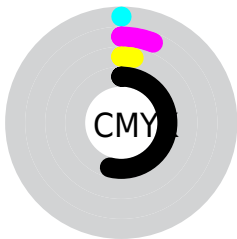
Blue (45%)



Red (46%)

Yellow (43%)

Blue (45%)

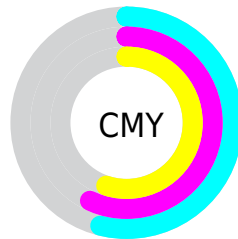


Cyan (0%)

Magenta (6%)

Yellow (3%)

Black (54%)



Cyan (54%)

Magenta (57%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9493, 16.1487, 18.1960 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 15.9493, 16.1487, 18.1960 by changing the saturation by 10% instead.

■ 15.9493, 16.1487,
18.1960

■ 15.9493, 16.1487,
18.1960

222.3186,
230.2176, 254.2466

■ 9.5789, 9.6294,
10.9199

■ 36.0683, 36.8562,
41.1895

■ 5.1808, 5.1540,
5.8995

■ 50.5477, 51.8132,
57.7439

■ 2.3896, 2.3379,
2.7163

■ 68.4607, 70.3515,
78.2282

■ 0.8399, 0.7937,
0.9516

■ 90.1728, 92.8556,
103.0609

■ 0.0000, 0.0000,
0.0000

116.0492,
119.7099, 132.6606

146.4555,

151.2987, 167.4457

181.7568,
188.0065, 207.8349

■ 15.9493, 16.1487,
18.1960

■ 15.9493, 16.1487,
18.1960

■ 14.4918, 13.6779,
16.3402

■ 17.5901, 18.9605,
20.1906

■ 13.2095, 11.5331,
14.6185

■ 19.4191, 22.1237,
22.3262

■ 12.0956, 9.7009,
13.0279

■ 21.4430, 25.6506,
24.6063

■ 11.1426, 8.1665,
11.5643

■ 23.6674, 29.5524,
27.0341

■ 10.3420, 6.9138,
10.2237

■ 26.0979, 33.8398,
29.6124

■ 9.6850, 5.9249,
9.0017

■ 28.7398, 38.5231,
32.3443

■ 9.1612, 5.1803,
7.8936

■ 31.5982, 43.6123,
35.2323

■ 8.7594, 4.6573,
6.8941

■ 34.6781, 49.1167,
38.2793

■ 8.4571, 4.3120,
5.9942

■ 37.9842, 55.0456,
41.4879

Harmonies

Analogous

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



15.7601, 16.1487, 18.9928



15.9493, 16.1487, 18.1960



15.9763, 16.1487, 17.2610

Triad

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



15.9493, 16.1487, 18.1960



15.2359, 16.1487, 15.8690



14.8742, 16.1487, 18.7765

Complementary

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



15.9493, 16.1487, 18.1960



15.7729, 17.2302, 18.1180

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.



14.7380, 16.1487, 17.9094



15.9493, 16.1487, 18.1960



14.9449, 16.1487, 16.2451

Square

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



15.9493, 16.1487, 18.1960



15.5614, 16.1487, 15.9396



14.7637, 16.1487, 16.9843



15.1383, 16.1487, 19.3361

Rectangle

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



15.9493, 16.1487, 18.1960



15.8984, 16.1487, 16.6878



14.7637, 16.1487, 16.9843



14.8122, 16.1487, 18.5101

Sweetspot

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



15.9498, 16.1494, 18.1963



29.6756, 30.8226, 33.9574



15.5868, 15.9422, 19.0854



6.8335, 7.1048, 7.8203



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.



15.9498, 16.1494, 18.1963



28.2308, 28.3558, 32.1722



15.7590, 16.0731, 17.1916



3.8297, 3.8454, 4.3642



9.1861, 4.6081, 6.1881



44.3293, 22.2818, 27.8612

Inverse Universe

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



15.9498, 16.1494, 18.1963



28.2308, 28.3558, 32.1722



15.9689, 17.3086, 19.1498



3.8297, 3.8454, 4.3642



9.1861, 4.6081, 6.1881



44.3293, 22.2818, 27.8612

Previews

White Background



This preview shows how the XYZ color 15.9493, 16.1487, 18.1960 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 15.9493, 16.1487, 18.1960 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

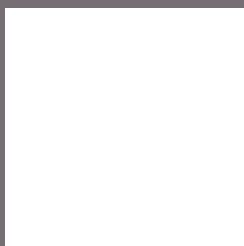
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9493, 16.1487, 18.1960

Background



This preview shows how black text looks on a background with the XYZ color 15.9493, 16.1487, 18.1960.



This preview shows how white text looks on a background with the XYZ color 15.9493, 16.1487,

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

15.9493, 16.1487, 18.1960

Protanopia

15.5890, 16.1174, 18.5090

Deuteranopia

16.4259, 16.0776, 18.1571



Tritanopia

16.2099, 16.0968, 19.3922

Trichromacy



Original Color

15.9493, 16.1487, 18.1960

Protanomaly

15.7184, 16.1841, 18.5150

Deuteranomaly

16.2516, 16.1453, 18.1794

Tritanomaly

16.1507, 16.0732, 19.0808

Monochromacy



Original Color

15.9493, 16.1487, 18.1960

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.7142, 16.3580, 17.9520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9493, 16.1487, 18.1960 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(117, 110, 114)` looks like.

```
.text, #text, p{  
    color:rgb(117, 110, 114)  
}
```

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(117, 110, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 110, 114) }
```

Border

The CSS property to change the border of an element to XYZ 15.9493, 16.1487, 18.1960 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(117, 110, 114) }
```


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

```
.border{ border-color:rgb(117, 110, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 110, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 110, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 110, 114);  
box-shadow:4px 4px 4px 4px rgb(117, 110,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9493, 16.1487, 18.1960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 110, 114) }
```

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

```
.background{ background-color: rgb(117,  
110, 114) }
```

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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