

Converting Colors

XYZ(16.1176, 15.7232, 19.9239)

Have a look what the booklet for
XYZ(16.1176, 15.7232, 19.9239)
contains.

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Color

**XYZ(16.1191, 15.7230,
19.9546)**

Conversions

Conversions Part 1

Format	Color
Hex	766B78
RGB	118, 107, 120
RGB Percent	46%, 42%, 47%
CMY	0.5373, 0.5804, 0.5294
CMYK	0.02, 0.11, 0.00, 0.53
HSL	291°, 6%, 45%
HSV	291°, 11%, 47%
XYZ	16.1191, 15.7230, 19.9546
YIQ	111.7710, 2.3830, 6.3750

Conversions

Conversions Part 2

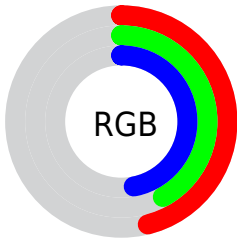
Format	Color
R_{YB}	118, 107, 120
Decimal	7760760
CIE Lab	46.61, 6.89, -5.66
CIE LCh	47, 8.918, 320.631
Yxy	15.7230, 0.3112, 0.3036
Android (android.graphics.Color)	4285950840 (0xFF766B78)
YUV	111.7710, 4.0569, 5.4628
Hunter-Lab	39.6522, 3.1709, -2.0805

Details

The XYZ color **16.1191, 15.7230, 19.9546** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.6775, 17.7461, 16.5097**, and the grayscale version is **15.3224, 16.1204, 17.5551**.

A 20% lighter version of the original color is **36.2508, 35.9783, 44.0636**, and **5.3113, 5.0017, 6.8164** is the 20% darker color. If you saturate the color by 10%, you get **14.7057, 13.2646, 19.5548**, and if you desaturate by 10%, it is **17.7119, 18.5326, 20.4132**.

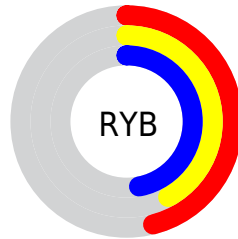
Distribution



Red (46%)

Green (42%)

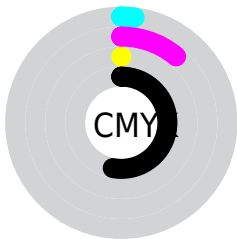
Blue (47%)



Red (46%)

Yellow (42%)

Blue (47%)

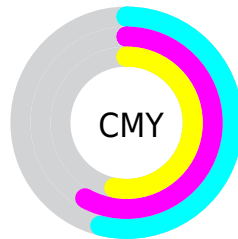


Cyan (2%)

Magenta (11%)

Yellow (0%)

Black (53%)



Cyan (54%)

Magenta (58%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1191, 15.7230, 19.9546 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 16.1191, 15.7230, 19.9546 by changing the saturation by 10% instead.

■ 16.1191, 15.7230,
19.9546

■ 16.1191, 15.7230,
19.9546

223.3001,
227.7016, 264.2653

■ 9.6999, 9.3284,
12.1783

■ 36.3606, 36.1166,
44.1990

■ 5.2611, 4.9560,
6.7412

■ 50.9136, 50.8844,
61.5042

■ 2.4376, 2.2215,
3.2248

■ 68.9086, 69.2121,
82.8228

■ 0.8639, 0.7317,
1.2105

■ 90.7108, 91.4839,
108.5733

■ 0.0000, 0.0000,
0.0000

116.6857,
118.0844, 139.1743

147.1987,

149.3979, 175.0442

182.6150,
185.8089, 216.6017

■ 16.1191, 15.7230,
19.9546

■ 16.1191, 15.7230,
19.9546

■ 14.7057, 13.2646,
19.5548

■ 17.7119, 18.5326,
20.4132

■ 13.4633, 11.1411,
19.2104

■ 19.4896, 21.7047,
20.9318

■ 12.3847, 9.3381,
18.9192

■ 21.4589, 25.2528,
21.5128

■ 11.4617, 7.8389,
18.6785

■ 23.6259, 29.1889,
22.1584

■ 10.6853, 6.6260,
18.4853

■ 25.9965, 33.5245,
22.8703

■ 10.0456, 5.6794,
18.3363

■ 28.5761, 38.2708,
23.6505

■ 9.5315, 4.9769,
18.2278

■ 31.3701, 43.4384,
24.5006

■ 9.1301, 4.4928,
18.1555

■ 34.3836, 49.0374,
25.4225

■ 8.8176, 4.1540,
18.1066

■ 37.6216, 55.0779,
26.4178

Harmonies

Analogous

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



15.4724, 15.7230, 21.4055



16.1191, 15.7230, 19.9546



16.4542, 15.7230, 17.8197

Triad

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



16.1191, 15.7230, 19.9546



15.1867, 15.7230, 13.2652



13.6001, 15.7230, 18.6586

Complementary

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



16.1191, 15.7230, 19.9546



15.6775, 17.7461, 16.5097

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.



13.5296, 15.7230, 16.4382



16.1191, 15.7230, 19.9546



14.4283, 15.7230, 13.4478

Square

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



16.1191, 15.7230, 19.9546



15.9038, 15.7230, 14.0445



13.8279, 15.7230, 14.5668



14.0240, 15.7230, 20.6138

Rectangle

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



16.1191, 15.7230, 19.9546



16.4482, 15.7230, 16.3488



13.8279, 15.7230, 14.5668



13.5349, 15.7230, 17.9144

Sweetspot

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



16.1196, 15.7237, 19.9549



30.4959, 31.4328, 35.7129



14.9406, 15.4554, 19.9653



7.1781, 7.3623, 8.4494



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.1196, 15.7237, 19.9549



27.7038, 26.5227, 34.9123



16.1369, 15.7623, 18.6139



4.0968, 4.0478, 5.0086



9.6099, 4.5269, 19.7526



45.2605, 21.2946, 94.1946

Inverse Universe

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



15.7643, 15.6133, 16.6515



26.9526, 26.2906, 27.8660



15.6681, 17.7142, 17.7293



4.0211, 4.0242, 4.3089



8.5696, 4.4040, 1.0245



40.6716, 20.9250, 3.8007

Previews

White Background



This preview shows how the XYZ color 16.1191, 15.7230, 19.9546 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 16.1191, 15.7230, 19.9546 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 16.1191, 15.7230, 19.9546

Background



This preview shows how black text looks on a background with the XYZ color 16.1191, 15.7230, 19.9546.



This preview shows how white text looks on a background with the XYZ color 16.1191, 15.7230,

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

16.1191, 15.7230, 19.9546

Protanopia

15.3955, 15.8082, 20.6522

Deuteranopia

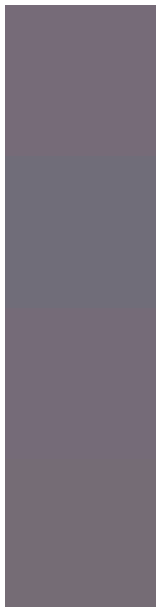
15.9840, 15.6534, 19.9483



Tritanopia

15.8511, 15.7680, 18.7311

Trichromacy



Original Color

16.1191, 15.7230, 19.9546

Protanomaly

15.6019, 15.7625, 20.3093

Deuteranomaly

15.9840, 15.6534, 19.9483

Tritanomaly

15.9096, 15.7914, 19.0391

Monochromacy



Original Color

16.1191, 15.7230, 19.9546

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.6099, 15.9671, 18.4789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1191, 15.7230, 19.9546 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(118, 107, 120)` looks like.

```
.text, #text, p{  
    color:rgb(118, 107, 120)  
}
```

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(118, 107, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 107, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.1191, 15.7230, 19.9546 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(118, 107, 120) }
```


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

```
.border{ border-color:rgb(118, 107, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 107, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 107, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 107, 120);  
box-shadow:4px 4px 4px 4px rgb(118, 107,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1191, 15.7230, 19.9546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 107, 120) }
```

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

```
.background{ background-color: rgb(118,  
107, 120) }
```

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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