

Converting Colors

XYZ(15.9890, 16.6706, 16.3128)

Have a look what the booklet for
XYZ(15.9890, 16.6706, 16.3128)
contains.

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Color

**XYZ(16.0302, 16.7233,
16.2930)**

Conversions

Conversions Part 1

Format	Color
Hex	76716B
RGB	118, 113, 107
RGB Percent	46%, 44%, 42%
CMY	0.5373, 0.5569, 0.5804
CMYK	0.00, 0.04, 0.09, 0.54
HSL	33°, 5%, 44%
HSV	33°, 9%, 46%
XYZ	16.0302, 16.7233, 16.2930
YIQ	113.8110, 4.9060, -0.8060

Conversions

Conversions Part 2

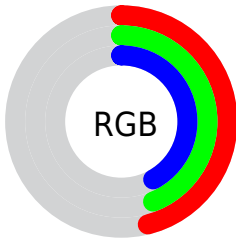
Format	Color
R_{YB}	116, 118, 107
Decimal	7762283
CIE Lab	47.91, 0.78, 4.01
CIE LCh	48, 4.084, 79.004
Yxy	16.7233, 0.3268, 0.3410
Android (android.graphics.Color)	4285952363 (0xFF76716B)
YUV	113.8110, -3.3578, 3.6738
Hunter-Lab	40.8941, -1.5940, 5.0036

Details

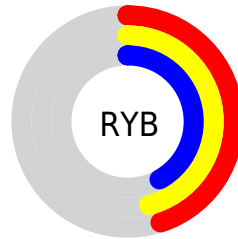
The XYZ color **16.0302, 16.7233, 16.2930** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1277, 16.0221, 19.4351**, and the grayscale version is **15.9467, 16.7771, 18.2703**.

A 20% lighter version of the original color is **36.2043, 37.9249, 37.7598**, and **5.2317, 5.4089, 5.0433** is the 20% darker color. If you saturate the color by 10%, you get **14.8708, 15.3310, 13.0498**, and if you desaturate by 10%, it is **17.3106, 18.2216, 19.9950**.

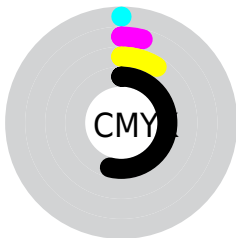
Distribution



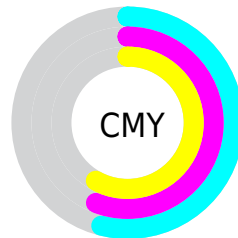
- Red (46%)
- Green (44%)
- Blue (42%)



- Red (45%)
- Yellow (46%)
- Blue (42%)



- Cyan (0%)
- Magenta (4%)
- Yellow (9%)
- Black (54%)



- Cyan (54%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0302, 16.7233, 16.2930 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 16.0302, 16.7233, 16.2930 by changing the saturation by 10% instead.

■ 16.0302, 16.7233,
16.2930

■ 16.0302, 16.7233,
16.2930

222.7867,
233.5728, 242.9689

■ 9.6365, 10.0374,
9.5751

■ 36.2076, 37.8494,
37.8800

■ 5.2190, 5.4238,
5.0163

■ 50.7221, 53.0584,
53.5861

■ 2.4124, 2.4980,
2.1979

■ 68.6742, 71.8773,
73.1255

■ 0.8513, 0.8756,
0.6732

■ 90.4293, 94.6903,
96.9166

■ 0.0000, 0.0000,
0.0000

116.3528,
121.8820, 125.3779

146.8099,

153.8367, 158.9281

182.1661,
190.9388, 197.9856

■ 16.0302, 16.7233,
16.2930

■ 16.0302, 16.7233,
16.2930

■ 14.8708, 15.3310,
13.0498

■ 17.3106, 18.2216,
19.9950

■ 13.8270, 14.0401,
10.2462

■ 18.7145, 19.8263,
24.1718

■ 12.8951, 12.8484,
7.8632

■ 20.2459, 21.5404,
28.8401

■ 12.0704, 11.7533,
5.8798

■ 21.9083, 23.3663,
34.0153

■ 11.3481, 10.7516,
4.2735

■ 23.7050, 25.3060,
39.7123

■ 10.7228, 9.8401,
3.0193

■ 25.6392, 27.3619,
45.9451

■ 10.1885, 9.0154,
2.0893

■ 27.7141, 29.5359,
52.7275

■ 9.7384, 8.2735,
1.4511

■ 29.9325, 31.8300,
60.0727

■ 9.3515, 7.6049,
0.9980

■ 32.2974, 34.2463,
67.9931

Harmonies

Analogous

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



16.3632, 16.7233, 16.7232



16.0302, 16.7233, 16.2930



15.6659, 16.7233, 16.3610

Triad

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



16.0302, 16.7233, 16.2930



15.2360, 16.7233, 18.8760



16.4345, 16.7233, 19.5694

Complementary

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



16.0302, 16.7233, 16.2930



15.1277, 16.0221, 19.4351

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.



16.1263, 16.7233, 20.1908



16.0302, 16.7233, 16.2930



15.4358, 16.7233, 19.7799

Square

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



16.0302, 16.7233, 16.2930



15.2112, 16.7233, 17.8254



15.7606, 16.7233, 20.2692



16.5990, 16.7233, 18.5977

Rectangle

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



16.0302, 16.7233, 16.2930



15.4542, 16.7233, 16.6805



15.7606, 16.7233, 20.2692



16.3440, 16.7233, 19.8277

Sweetspot

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



16.0307, 16.7240, 16.2934



29.5675, 31.0291, 32.6183



15.6613, 15.5401, 17.5426



6.7611, 7.0910, 7.3924



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.



16.0307, 16.7240, 16.2934



27.7723, 28.9135, 27.4730



16.5541, 17.8446, 16.4821



3.8341, 4.0011, 3.9125



10.0771, 8.1554, 1.0430



48.2419, 38.0123, 4.7945

Inverse Universe

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



15.1277, 16.0221, 19.4351



25.8764, 27.4396, 34.0695



14.6356, 14.9723, 19.2584



3.6249, 3.8385, 4.6401



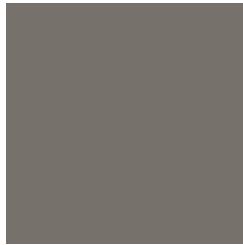
4.9334, 4.2064, 19.0945



23.2064, 18.8295, 92.7716

Previews

White Background



This preview shows how the XYZ color 16.0302, 16.7233, 16.2930 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 16.0302, 16.7233, 16.2930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

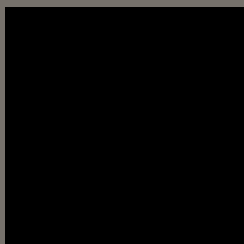
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

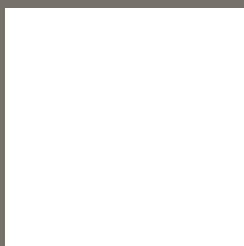
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.0302, 16.7233, 16.2930

Background



This preview shows how black text looks on a background with the XYZ color 16.0302, 16.7233, 16.2930.



This preview shows how white text looks on a background with the XYZ color 16.0302, 16.7233,

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

16.0302, 16.7233, 16.2930

Protanopia

15.8951, 16.6537, 16.2866

Deuteranopia

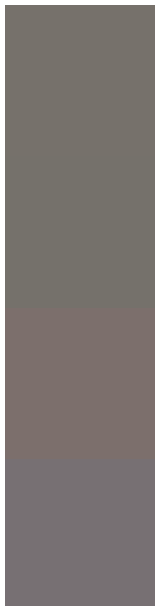
17.0351, 16.7466, 16.5219



Tritanopia

16.8203, 16.7180, 20.1097

Trichromacy



Original Color

16.0302, 16.7233, 16.2930

Protanomaly

15.8951, 16.6537, 16.2866

Deuteranomaly

16.7034, 16.7367, 16.5375

Tritanomaly

16.4964, 16.7481, 18.5829

Monochromacy



Original Color

16.0302, 16.7233, 16.2930

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.9568, 16.8272, 17.4459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0302, 16.7233, 16.2930 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, 113, 107)` looks like.

```
.text, #text, p{  
    color:rgb(118, 113, 107)  
}
```

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, 113, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 113, 107) }
```

Border

The CSS property to change the border of an element to XYZ 16.0302, 16.7233, 16.2930 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, 113, 107) }
```


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

```
.border{ border-color:rgb(118, 113, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 113, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 113, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 113, 107);  
box-shadow:4px 4px 4px 4px rgb(118, 113,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0302, 16.7233, 16.2930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 113, 107) }
```

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

```
.background{ background-color: rgb(118,  
113, 107) }
```

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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