

Converting Colors

XYZ(16.6883, 18.2923, 15.9816)

Have a look what the booklet for
XYZ(16.6883, 18.2923, 15.9816)
contains.

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Color

**XYZ(16.7375, 18.3044,
16.0155)**

Conversions

Conversions Part 1

Format	Color
Hex	767869
RGB	118, 120, 105
RGB Percent	46%, 47%, 41%
CMY	0.5373, 0.5294, 0.5882
CMYK	0.02, 0.00, 0.13, 0.53
HSL	68°, 7%, 44%
HSV	68°, 13%, 47%
XYZ	16.7375, 18.3044, 16.0155
YIQ	117.6920, 3.6230, -5.0890

Conversions

Conversions Part 2

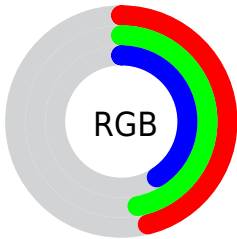
Format	Color
R_{YB}	105, 120, 107
Decimal	7764073
CIE Lab	49.86, -3.64, 7.98
CIE LCh	50, 8.773, 114.498
Yxy	18.3044, 0.3278, 0.3585
Android (android.graphics.Color)	4285954153 (0xFF767869)
YUV	117.6920, -6.2572, 0.2701
Hunter-Lab	42.7836, -5.0399, 7.7541

Details

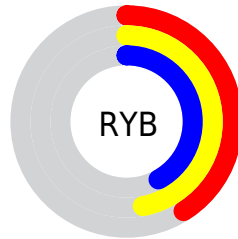
The XYZ color **16.7375, 18.3044, 16.0155** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.5058, 14.5854, 19.8210**, and the grayscale version is **17.1422, 18.0349, 19.6400**.

A 20% lighter version of the original color is **37.3308, 40.4514, 37.2928**, and **5.6069, 6.2423, 4.9124** is the 20% darker color. If you saturate the color by 10%, you get **15.9483, 17.9644, 12.9830**, and if you desaturate by 10%, it is **17.6185, 18.6827, 19.5075**.

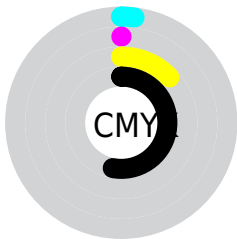
Distribution



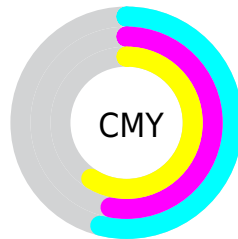
- Red (46%)
- Green (47%)
- Blue (41%)



- Red (41%)
- Yellow (47%)
- Blue (42%)



- Cyan (2%)
- Magenta (0%)
- Yellow (13%)
- Black (53%)



- Cyan (54%)
- Magenta (53%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7375, 18.3044, 16.0155 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 16.7375, 18.3044, 16.0155 by changing the saturation by 10% instead.

■ 16.7375, 18.3044,
16.0155

■ 16.7375, 18.3044,
16.0155

226.8409,
242.5812, 241.2820

■ 10.1417, 11.1688,
9.3806

■ 37.4211, 40.5553,
37.3923

■ 5.5560, 6.1805,
4.8901

■ 52.2396, 56.4394,
52.9713

■ 2.6151, 2.9551,
2.1253

■ 70.5296, 76.0084,
72.3688

■ 0.9536, 1.1083,
0.6308

■ 92.6566, 99.6468,
96.0032

■ 0.0000, 0.0000,
0.0000

118.9858,
127.7388, 124.2933

149.8828,

160.6690, 157.6574

185.7127,
198.8217, 196.5141

■ 16.7375, 18.3044,
16.0155

■ 16.7375, 18.3044,
16.0155

■ 15.9483, 17.9644,
12.9830

■ 17.6185, 18.6827,
19.5075

■ 15.2457, 17.6589,
10.3896

■ 18.5931, 19.0984,
23.4758

■ 14.6263, 17.3871,
8.2154

■ 19.6652, 19.5534,
27.9377

■ 14.0860, 17.1473,
6.4382

■ 20.8379, 20.0491,
32.9095

■ 13.6200, 16.9377,
5.0340

■ 22.1140, 20.5866,
38.4065

■ 13.2234, 16.7562,
3.9761

■ 23.4964, 21.1671,
44.4436

■ 12.8904, 16.6006,
3.2342

■ 24.9879, 21.7916,
51.0350

■ 12.6140, 16.4681,
2.7722

■ 26.5910, 22.4612,
58.1943

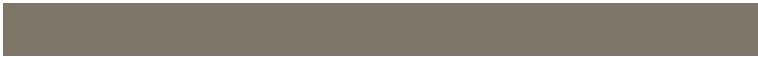
■ 12.4243, 16.3760,
2.5060

■ 28.3082, 23.1770,
65.9347

Harmonies

Analogous

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



17.5529, 18.3044, 15.6769



16.7375, 18.3044, 16.0155



16.1175, 18.3044, 17.3663

Triad

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



16.7375, 18.3044, 16.0155



16.4778, 18.3044, 23.9324



19.0532, 18.3044, 20.3766

Complementary

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



16.7375, 18.3044, 16.0155



14.5058, 14.5854, 19.8210

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.



18.7442, 18.3044, 22.7351



16.7375, 18.3044, 16.0155



17.2436, 18.3044, 24.8911

Square

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



16.7375, 18.3044, 16.0155



15.9709, 18.3044, 21.9078



18.0752, 18.3044, 24.4363



18.9072, 18.3044, 18.0756

Rectangle

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



16.7375, 18.3044, 16.0155



15.8894, 18.3044, 18.7211



18.0752, 18.3044, 24.4363



18.9988, 18.3044, 21.1907

Sweetspot

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



16.7380, 18.3052, 16.0159



30.7280, 32.7475, 33.2726



15.5538, 15.5288, 15.5424



7.2578, 7.7504, 7.7876



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.



16.7380, 18.3052, 16.0159



29.0235, 32.0156, 26.5578



15.7597, 17.8009, 15.9701



4.2577, 4.6081, 4.2895



13.5451, 17.8600, 2.7334



64.0927, 84.9264, 13.0144

Inverse Universe

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



14.5058, 14.5854, 19.8210



24.2886, 24.1251, 34.6295



15.4469, 15.0706, 19.8650



3.8428, 3.9168, 4.9967



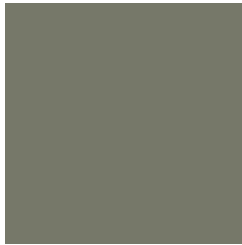
3.9239, 1.5956, 19.4865



18.2917, 7.3917, 92.9325

Previews

White Background



This preview shows how the XYZ color 16.7375, 18.3044, 16.0155 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 16.7375, 18.3044, 16.0155 looks on a black 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

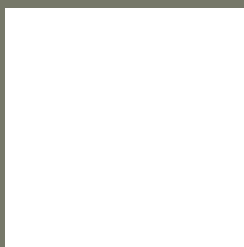
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7375, 18.3044, 16.0155

Background



This preview shows how black text looks on a background with the XYZ color 16.7375, 18.3044, 16.0155.



This preview shows how white text looks on a background with the XYZ color 16.7375, 18.3044,

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

16.7375, 18.3044, 16.0155

Protanopia

17.2893, 18.2414, 15.7064

Deuteranopia

18.4503, 18.1436, 16.1653



Tritanopia

18.0123, 18.2939, 22.3204

Trichromacy



Original Color

16.7375, 18.3044, 16.0155

Protanomaly

17.1216, 18.3307, 15.7325

Deuteranomaly

17.7490, 18.1206, 16.1978

Tritanomaly

17.4942, 18.2579, 19.7416

Monochromacy



Original Color

16.7375, 18.3044, 16.0155

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.0487, 18.2375, 18.2444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7375, 18.3044, 16.0155 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, 120, 105)` looks like.

```
.text, #text, p{  
    color:rgb(118, 120, 105)  
}
```

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, 120, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 120, 105) }
```

Border

The CSS property to change the border of an element to XYZ 16.7375, 18.3044, 16.0155 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, 120, 105) }
```


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

```
.border{ border-color:rgb(118, 120, 105) }
```

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

Here you see how a box with a 4 pixel rgb(118, 120, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 120, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 120, 105);  
box-shadow:4px 4px 4px 4px rgb(118, 120,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7375, 18.3044, 16.0155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 120, 105) }
```

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

```
.background{ background-color: rgb(118,  
120, 105) }
```

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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