

Converting Colors

XYZ(16.0709, 19.2750, 19.7607)

Have a look what the booklet for
XYZ(16.0709, 19.2750, 19.7607)
contains.

XYZ(16.0756, 19.3753, 19.7222)	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(16.0756, 19.3753,
19.7222)**

Conversions

Conversions Part 1

Format	Color
Hex	638075
RGB	99, 128, 117
RGB Percent	39%, 50%, 46%
CMY	0.6118, 0.4980, 0.5412
CMYK	0.23, 0.00, 0.09, 0.50
HSL	157°, 13%, 45%
HSV	157°, 23%, 50%
XYZ	16.0756, 19.3753, 19.7222
YIQ	118.0750, -13.7530, -9.5690

Conversions

Conversions Part 2

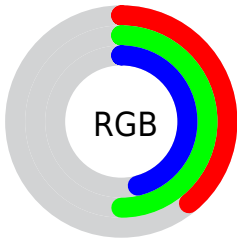
Format	Color
R_{YB}	99, 117, 128
Decimal	6520949
CIE Lab	51.12, -12.81, 2.57
CIE LCh	51, 13.069, 168.661
Yxy	19.3753, 0.2914, 0.3512
Android (android.graphics.Color)	4284711029 (0xFF638075)
YUV	118.0750, -0.5300, -16.7288
Hunter-Lab	44.0174, -11.8404, 4.2470

Details

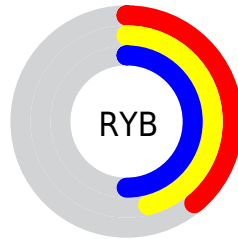
The XYZ color **16.0756, 19.3753, 19.7222** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.1790, 14.6391, 16.7254**, and the grayscale version is **17.2484, 18.1467, 19.7618**.

A 20% lighter version of the original color is **36.2630, 42.3964, 43.8082**, and **5.2863, 6.7517, 6.6548** is the 20% darker color. If you saturate the color by 10%, you get **14.5085, 18.6001, 18.1972**, and if you desaturate by 10%, it is **17.8803, 20.2723, 21.3364**.

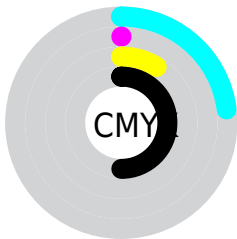
Distribution



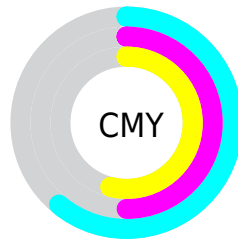
- Red (39%)
- Green (50%)
- Blue (46%)



- Red (39%)
- Yellow (46%)
- Blue (50%)



- Cyan (23%)
- Magenta (0%)
- Yellow (9%)
- Black (50%)



- Cyan (61%)
- Magenta (50%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0756, 19.3753, 19.7222 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 16.0756, 19.3753, 19.7222 by changing the saturation by 10% instead.

■ 16.0756, 19.3753,
19.7222

■ 16.0756, 19.3753,
19.7222

223.0490,
248.5129, 262.9615

■ 9.6689, 11.9418,
12.0112

■ 36.2858, 42.3673,
43.8038

■ 5.2405, 6.7040,
6.6287

■ 50.8199, 58.6946,
61.0114

■ 2.4253, 3.2777,
3.1561

■ 68.7939, 78.7552,
82.2217

■ 0.8577, 1.2784,
1.1749

■ 90.5731, 102.9336,
107.8532

■ 0.0000, 0.1244,
0.0000

116.5229,
131.6142, 138.3243

■ 0.0000, 0.0000,
0.0000

147.0085,

165.1814, 174.0538

182.3955,
204.0194, 215.4600

■ 16.0756, 19.3753,
19.7222

■ 16.0756, 19.3753,
19.7222

■ 14.5085, 18.6001,
18.1972

■ 17.8803, 20.2723,
21.3364

■ 13.1667, 17.9388,
16.7586

■ 19.9309, 21.2939,
23.0402

■ 12.0393, 17.3864,
15.4050

■ 22.2373, 22.4455,
24.8355

■ 11.1138, 16.9365,
14.1346

■ 24.8085, 23.7319,
26.7239

■ 10.3762, 16.5818,
12.9454

■ 27.6527, 25.1572,
28.7067

■ 9.8108, 16.3143,
11.8356

■ 30.7782, 26.7256,
30.7855

■ 9.3990, 16.1244,
10.8029

■ 34.1925, 28.4412,
32.9617

■ 9.1471, 16.0101,
10.0908

■ 37.9031, 30.3075,
35.2364

■ 41.9171, 32.3285,
37.6112

Harmonies

Analogous

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



16.6048, 19.3753, 16.7191



16.0756, 19.3753, 19.7222



16.1511, 19.3753, 23.4669

Triad

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



16.0756, 19.3753, 19.7222



19.2257, 19.3753, 28.6179



20.1136, 19.3753, 16.1725

Complementary

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



16.0756, 19.3753, 19.7222



16.1790, 14.6391, 16.7254

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.



20.8826, 19.3753, 18.8912



16.0756, 19.3753, 19.7222



20.3536, 19.3753, 26.1779

Square

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



16.0756, 19.3753, 19.7222



17.9293, 19.3753, 28.9084



20.9724, 19.3753, 22.5330



18.9107, 19.3753, 14.8362

Rectangle

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



16.0756, 19.3753, 19.7222



16.5349, 19.3753, 25.8836



20.9724, 19.3753, 22.5330



20.4338, 19.3753, 16.9392

Sweetspot

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



16.0761, 19.3761, 19.7226



33.4092, 36.6517, 39.1933



16.4168, 19.6625, 14.7346



7.7841, 8.5623, 9.1448



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.



16.0761, 19.3761, 19.7226



26.8824, 33.4091, 33.3709



16.3276, 18.7822, 23.1878



4.3794, 4.8601, 5.1691



9.0703, 15.8747, 10.0089



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.1790, 14.6391, 16.7254



27.0961, 23.5884, 27.1597



15.9439, 15.0687, 13.8728



4.3900, 4.3692, 4.8583



9.3681, 4.7669, 3.2624



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.0756, 19.3753, 19.7222 looks on a white 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

Black Background



This preview shows how the XYZ color 16.0756, 19.3753, 19.7222 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

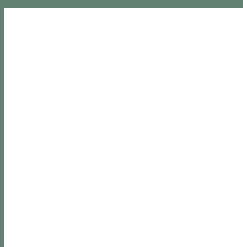
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.0756, 19.3753, 19.7222

Background



This preview shows how black text looks on a background with the XYZ color 16.0756, 19.3753, 19.7222.



This preview shows how white text looks on a background with the XYZ color 16.0756, 19.3753,

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

16.0756, 19.3753, 19.7222

Protanopia

18.4222, 19.3026, 18.3776

Deuteranopia

19.5226, 19.1228, 20.1149



Tritanopia

17.3003, 19.3001, 25.7351

Trichromacy



Original Color

16.0756, 19.3753, 19.7222

Protanomaly

17.4474, 19.3432, 18.7336

Deuteranomaly

17.9925, 19.0477, 19.8678

Tritanomaly

16.8366, 19.3050, 23.2609

Monochromacy



Original Color

16.0756, 19.3753, 19.7222

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.7851, 18.6066, 19.8463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0756, 19.3753, 19.7222 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(99, 128, 117) looks like.

```
.text, #text, p{  
    color:rgb(99, 128, 117)  
}
```

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(99, 128, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 128, 117) }
```

Border

The CSS property to change the border of an element to XYZ 16.0756, 19.3753, 19.7222 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(99, 128, 117) }
```


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

```
.border{ border-color:rgb(99, 128, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 128, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 128, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 128, 117);  
box-shadow:4px 4px 4px 4px rgb(99, 128,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0756, 19.3753, 19.7222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 128, 117) }
```

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

```
.background{ background-color: rgb(99, 128,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor