

Converting Colors

XYZ(15.2446, 16.9812, 19.3967)

Have a look what the booklet for
XYZ(15.2446, 16.9812, 19.3967)
contains.

XYZ(15.1657, 16.8905, 19.2905)	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(15.1657, 16.8905,
19.2905)**

Conversions

Conversions Part 1

Format	Color
Hex	677575
RGB	103, 117, 117
RGB Percent	40%, 46%, 46%
CMY	0.5961, 0.5412, 0.5412
CMYK	0.12, 0.00, 0.00, 0.54
HSL	180°, 6%, 43%
HSV	180°, 12%, 46%
XYZ	15.1657, 16.8905, 19.2905
YIQ	112.8140, -8.3440, -2.9680

Conversions

Conversions Part 2

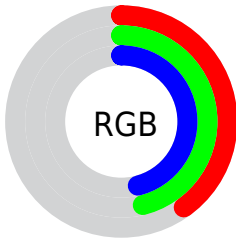
Format	Color
R _Y B	103, 110, 117
Decimal	6780277
CIE Lab	48.12, -5.19, -1.77
CIE LCh	48, 5.489, 198.857
Yxy	16.8905, 0.2954, 0.3290
Android (android.graphics.Color)	4284970357 (0xFF677575)
YUV	112.8140, 2.0637, -8.6069
Hunter-Lab	41.0981, -6.0528, 0.9392

Details

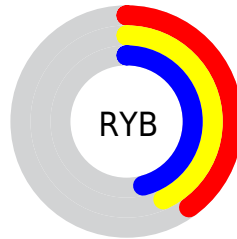
The XYZ color **15.1657, 16.8905, 19.2905** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6352, 14.4621, 14.8528**, and the grayscale version is **15.6372, 16.4515, 17.9157**.

A 20% lighter version of the original color is **34.6758, 38.1105, 43.0646**, and **4.8332, 5.5267, 6.4422** is the 20% darker color. If you saturate the color by 10%, you get **13.9166, 16.2470, 19.2319**, and if you desaturate by 10%, it is **16.6036, 17.6322, 19.3586**.

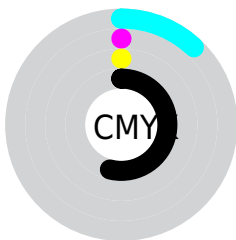
Distribution



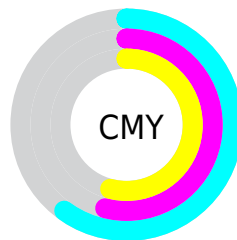
- Red (40%)
- Green (46%)
- Blue (46%)



- Red (40%)
- Yellow (43%)
- Blue (46%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (54%)



- Cyan (60%)
- Magenta (54%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1657, 16.8905, 19.2905 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 15.1657, 16.8905, 19.2905 by changing the saturation by 10% instead.

■ 15.1657, 16.8905,
19.2905

■ 15.1657, 16.8905,
19.2905

217.7355,
234.5406, 260.5238

■ 9.0228, 10.1565,
11.7014

■ 34.7129, 38.1374,
43.0676

■ 4.8133, 5.5028,
6.4207

■ 48.8479, 53.4191,
60.0928

■ 2.1718, 2.5452,
3.0296

■ 66.3777, 72.3187,
81.1003

■ 0.7278, 0.8992,
1.1098

■ 87.6676, 95.2207,
106.5089

■ 0.0000, 0.0000,
0.0000

113.0830,
122.5095, 136.7370

142.9892,

154.5695, 172.2031

177.7516,
191.7851, 213.3259

■ 15.1657, 16.8905,
19.2905

■ 15.1657, 16.8905,
19.2905

■ 13.9166, 16.2470,
19.2319

■ 16.6036, 17.6322,
19.3586

■ 12.8470, 15.6956,
19.1814

■ 18.2363, 18.4739,
19.4355

■ 11.9492, 15.2328,
19.1389

■ 20.0709, 19.4197,
19.5218

■ 11.2143, 14.8540,
19.1041

■ 22.1142, 20.4730,
19.6179

■ 10.6324, 14.5540,
19.0764

■ 24.3724, 21.6371,
19.7240

■ 10.1928, 14.3274,
19.0554

■ 26.8515, 22.9152,
19.8405

■ 9.8833, 14.1678,
19.0404

■ 29.5573, 24.3100,
19.9676

■ 9.6895, 14.0679,
19.0309

■ 32.4954, 25.8247,
20.1055

■ 9.5718, 14.0073,
19.0250

■ 35.6712, 27.4618,
20.2546

Harmonies

Analogous

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



15.1337, 16.8905, 17.8666



15.1657, 16.8905, 19.2905



15.4328, 16.8905, 20.5318

Triad

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



15.1657, 16.8905, 19.2905



16.7850, 16.8905, 20.2526



16.2395, 16.8905, 15.8321

Complementary

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



15.1657, 16.8905, 19.2905



14.6352, 14.4621, 14.8528

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.



16.6915, 16.8905, 16.4042



15.1657, 16.8905, 19.2905



17.0107, 16.8905, 18.9254

Square

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



15.1657, 16.8905, 19.2905



16.3650, 16.8905, 21.1068



16.9761, 16.8905, 17.5197



15.7468, 16.8905, 15.9186

Rectangle

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



15.1657, 16.8905, 19.2905



15.7114, 16.8905, 21.0658



16.9761, 16.8905, 17.5197



16.4014, 16.8905, 15.9525

Sweetspot

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



15.1662, 16.8912, 19.2909



29.1520, 31.2743, 34.6367



14.4303, 16.5999, 15.2758



6.6641, 7.1706, 7.9617



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.



15.1662, 16.8912, 19.2909



26.5909, 29.9540, 34.5160



14.4060, 15.3707, 19.0380



3.7833, 4.1553, 4.6928



10.5455, 15.4322, 20.9604



51.3892, 75.2029, 102.1412

Inverse Universe

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



14.6352, 14.4621, 14.8528



25.4676, 24.8157, 25.1280



15.3357, 15.8634, 15.0859



3.6840, 3.7009, 3.8626



8.0829, 4.1669, 0.3787



39.3887, 20.3056, 1.8443

Previews

White Background



This preview shows how the XYZ color 15.1657, 16.8905, 19.2905 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 15.1657, 16.8905, 19.2905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

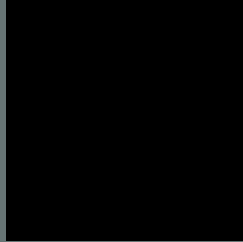
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.1657, 16.8905, 19.2905

Background



This preview shows how black text looks on a background with the XYZ color 15.1657, 16.8905, 19.2905.



This preview shows how white text looks on a background with the XYZ color 15.1657, 16.8905,

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

15.1657, 16.8905, 19.2905

Protanopia

16.2021, 16.7611, 18.6009

Deuteranopia

17.1228, 16.8878, 19.4967



Tritanopia

15.6560, 16.9145, 21.8417

Trichromacy



Original Color

15.1657, 16.8905, 19.2905

Protanomaly

15.7252, 16.6751, 18.9128

Deuteranomaly

16.3776, 16.8313, 19.5251

Tritanomaly

15.4672, 16.8390, 20.8474

Monochromacy



Original Color

15.1657, 16.8905, 19.2905

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.3613, 16.5007, 18.2949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1657, 16.8905, 19.2905 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(103, 117, 117)` looks like.

```
.text, #text, p{  
    color:rgb(103, 117, 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(103, 117, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 117, 117) }
```

Border

The CSS property to change the border of an element to XYZ 15.1657, 16.8905, 19.2905 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(103, 117, 117) }
```


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

```
.border{ border-color:rgb(103, 117, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 117, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 117, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 117, 117);  
box-shadow:4px 4px 4px 4px rgb(103, 117,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1657, 16.8905, 19.2905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 117, 117) }
```

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

```
.background{ background-color: rgb(103,  
117, 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