

Converting Colors

XYZ(14.8366, 16.3648, 19.2990)

Have a look what the booklet for
XYZ(14.8366, 16.3648, 19.2990)
contains.

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Color

**XYZ(14.8211, 16.3706,
19.2083)**

Conversions

Conversions Part 1

Format	Color
Hex	667375
RGB	102, 115, 117
RGB Percent	40%, 45%, 46%
CMY	0.6000, 0.5490, 0.5412
CMYK	0.13, 0.02, 0.00, 0.54
HSL	188°, 7%, 43%
HSV	188°, 13%, 46%
XYZ	14.8211, 16.3706, 19.2083
YIQ	111.3410, -8.3900, -2.1340

Conversions

Conversions Part 2

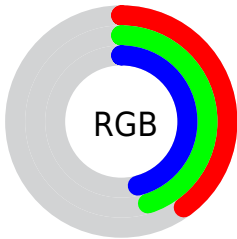
Format	Color
R_{YB}	102, 109, 117
Decimal	6714229
CIE Lab	47.46, -4.40, -2.76
CIE LCh	47, 5.193, 212.111
Yxy	16.3706, 0.2941, 0.3248
Android (android.graphics.Color)	4284904309 (0xFF667375)
YUV	111.3410, 2.7899, -8.1921
Hunter-Lab	40.4606, -5.4198, 0.1750

Details

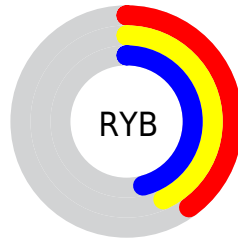
The XYZ color **14.8211, 16.3706, 19.2083** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6848, 14.6418, 14.6228**, and the grayscale version is **15.2028, 15.9945, 17.4180**.

A 20% lighter version of the original color is **34.1170, 37.2743, 42.9326**, and **4.6569, 5.2562, 6.3993** is the 20% darker color. If you saturate the color by 10%, you get **13.4115, 15.3827, 19.0922**, and if you desaturate by 10%, it is **16.4218, 17.4623, 19.3349**.

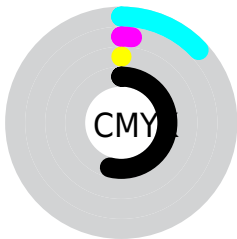
Distribution



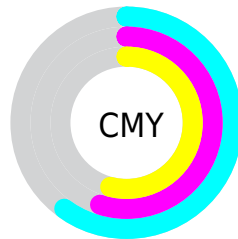
- Red (40%)
- Green (45%)
- Blue (46%)



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



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (54%)



- Cyan (60%)
- Magenta (55%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8211, 16.3706, 19.2083 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 14.8211, 16.3706, 19.2083 by changing the saturation by 10% instead.

■ 14.8211, 16.3706,
19.2083

■ 14.8211, 16.3706,
19.2083

215.6907,
231.5187, 260.0572

■ 8.7794, 9.7868,
11.6426

■ 34.1133, 37.2404,
42.9272

■ 4.6535, 5.2578,
6.3812

■ 48.0945, 52.2952,
59.9174

■ 2.0781, 2.3993,
3.0057

■ 65.4529, 70.9424,
80.8861

■ 0.6773, 0.8255,
1.0976

■ 86.5539, 93.5664,
106.2520

■ 0.0000, 0.0000,
0.0000

111.7628,
120.5517, 136.4335

141.4450,

152.2825, 171.8491

175.9659,
189.1434, 212.9176

■ 14.8211, 16.3706,
19.2083

■ 14.8211, 16.3706,
19.2083

■ 13.4115, 15.3827,
19.0922

■ 16.4218, 17.4623,
19.3349

■ 12.1838, 14.4926,
18.9851

■ 18.2196, 18.6597,
19.4713

■ 11.1301, 13.6967,
18.8870

■ 20.2219, 19.9670,
19.6181

■ 10.2414, 12.9902,
18.7974

■ 22.4354, 21.3877,
19.7756

■ 9.5079, 12.3680,
18.7160

■ 24.8662, 22.9250,
19.9442

■ 8.9186, 11.8245,
18.6422

■ 27.5206, 24.5821,
20.1242

■ 8.4611, 11.3534,
18.5753

■ 30.4042, 26.3620,
20.3158

■ 8.1201, 10.9466,
18.5148

■ 33.5228, 28.2676,
20.5192

■ 7.9050, 10.6725,
18.4732

■ 36.8817, 30.3017,
20.7348

Harmonies

Analogous

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



14.6908, 16.3706, 17.9184



14.8211, 16.3706, 19.2083



15.1489, 16.3706, 20.1636

Triad

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



14.8211, 16.3706, 19.2083



16.3563, 16.3706, 19.0386



15.5271, 16.3706, 15.4068

Complementary

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



14.8211, 16.3706, 19.2083



14.6848, 14.6418, 14.6228

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.



15.9780, 16.3706, 15.6742



14.8211, 16.3706, 19.2083



16.4623, 16.3706, 17.7315

Square

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



14.8211, 16.3706, 19.2083



16.0356, 16.3706, 20.0623



16.3226, 16.3706, 16.5094



15.0934, 16.3706, 15.7602

Rectangle

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



14.8211, 16.3706, 19.2083



15.4384, 16.3706, 20.4590



16.3226, 16.3706, 16.5094



15.6817, 16.3706, 15.4270

Sweetspot

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



14.8216, 16.3713, 19.2087



29.0191, 31.0084, 34.5927



14.3270, 16.5420, 15.4683



6.6288, 7.1002, 7.9501



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.



14.8216, 16.3713, 19.2087



25.8606, 28.8441, 34.3415



14.0269, 14.7819, 18.9438



3.7437, 4.0761, 4.6797



8.7015, 11.7427, 20.3505



41.9521, 56.3207, 99.0202

Inverse Universe

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



15.1824, 14.5228, 18.2234



26.6266, 24.9510, 32.2427



15.4464, 16.1650, 14.8767



3.8067, 3.7499, 4.5087



10.6892, 5.2094, 14.1036



51.8622, 25.2950, 67.5290

Previews

White Background



This preview shows how the XYZ color 14.8211, 16.3706, 19.2083 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 14.8211, 16.3706, 19.2083 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

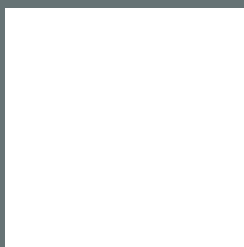
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.8211, 16.3706, 19.2083

Background



This preview shows how black text looks on a background with the XYZ color 14.8211, 16.3706, 19.2083.



This preview shows how white text looks on a background with the XYZ color 14.8211, 16.3706,

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

14.8211, 16.3706, 19.2083

Protanopia

15.8281, 16.4036, 18.5516

Deuteranopia

16.6238, 16.3102, 19.4116



Tritanopia

15.1860, 16.3483, 21.0940

Trichromacy



Original Color

14.8211, 16.3706, 19.2083

Protanomaly

15.4879, 16.3862, 18.8695

Deuteranomaly

15.8939, 16.2543, 19.4392

Tritanomaly

15.0620, 16.2987, 20.4413

Monochromacy



Original Color

14.8211, 16.3706, 19.2083

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.9591, 15.9687, 17.9166

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8211, 16.3706, 19.2083 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(102, 115, 117)` looks like.

```
.text, #text, p{  
    color:rgb(102, 115, 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(102, 115, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 115, 117) }
```

Border

The CSS property to change the border of an element to XYZ 14.8211, 16.3706, 19.2083 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(102, 115, 117) }
```


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

```
.border{ border-color:rgb(102, 115, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 115, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 115, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 115, 117);  
box-shadow:4px 4px 4px 4px rgb(102, 115,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8211, 16.3706, 19.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 115, 117) }
```

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

```
.background{ background-color: rgb(102,  
115, 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](#).

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