

Converting Colors

XYZ(16.7483, 20.4135, 20.4300)

Have a look what the booklet for
XYZ(16.7483, 20.4135, 20.4300)
contains.

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Color

**XYZ(16.8366, 20.5438,
20.5307)**

Conversions

Conversions Part 1

Format	Color
Hex	648477
RGB	100, 132, 119
RGB Percent	39%, 52%, 47%
CMY	0.6078, 0.4823, 0.5333
CMYK	0.24, 0.00, 0.10, 0.48
HSL	156°, 14%, 45%
HSV	156°, 24%, 52%
XYZ	16.8366, 20.5438, 20.5307
YIQ	120.9500, -14.8990, -10.8270

Conversions

Conversions Part 2

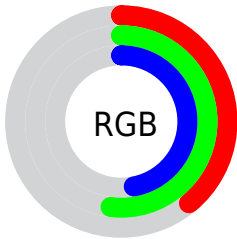
Format	Color
RYB	100, 120, 132
Decimal	6587511
CIELab	52.45, -14.22, 3.33
CIElCh	52, 14.604, 166.840
Yxy	20.5438, 0.2907, 0.3547
Android (android.graphics.Color)	4284777591 (0xFF648477)
YUV	120.9500, -0.9613, -18.3731
Hunter-Lab	45.3253, -13.0133, 4.8715

Details

The XYZ color **16.8366, 20.5438, 20.5307** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.0543, 15.2127, 17.6613**, and the grayscale version is **18.1648, 19.1107, 20.8116**.

A 20% lighter version of the original color is **37.4621, 44.2175, 45.0884**, and **5.5708, 7.2196, 7.0611** is the 20% darker color. If you saturate the color by 10%, you get **15.1803, 19.7267, 18.8192**, and if you desaturate by 10%, it is **18.7489, 21.4919, 22.3499**.

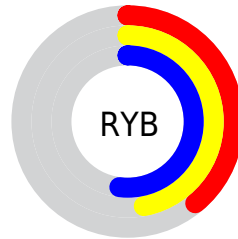
Distribution



Red (39%)

Green (52%)

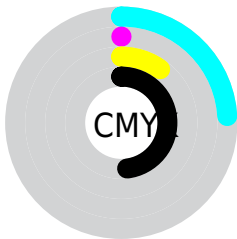
Blue (47%)



Red (39%)

Yellow (47%)

Blue (52%)

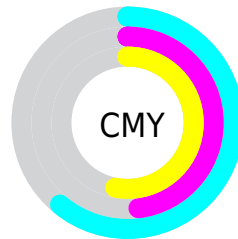


Cyan (24%)

Magenta (0%)

Yellow (10%)

Black (48%)



Cyan (61%)

Magenta (48%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8366, 20.5438, 20.5307 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 16.8366, 20.5438, 20.5307 by changing the saturation by 10% instead.

■ 16.8366, 20.5438,
20.5307

■ 16.8366, 20.5438,
20.5307

227.4036,
254.8440, 267.4724

■ 10.2126, 12.7909,
12.5935

■ 37.5905, 44.3270,
45.1758

■ 5.6035, 7.2848,
7.0218

■ 52.4511, 61.1262,
62.7207

■ 2.6439, 3.6408,
3.3971

■ 70.7879, 81.7096,
84.3054

■ 0.9684, 1.4747,
1.3008

■ 92.9664, 106.4617,
110.3482

■ 0.0000, 0.2708,
0.0624

119.3519,
135.7667, 141.2678

■ 0.0000, 0.0000,
0.0000

150.3097,

170.0092, 177.4827

186.2051,
209.5735, 219.4114

■ 16.8366, 20.5438,
20.5307

■ 16.8366, 20.5438,
20.5307

■ 15.1803, 19.7267,
18.8192

■ 18.7489, 21.4919,
22.3499

■ 13.7665, 19.0319,
17.2121

■ 20.9262, 22.5739,
24.2775

■ 12.5832, 18.4540,
15.7074

■ 23.3795, 23.7961,
26.3160

■ 11.6165, 17.9858,
14.3031

■ 26.1184, 25.1633,
28.4671

■ 10.8512, 17.6193,
12.9966

■ 29.1522, 26.6802,
30.7328

■ 10.2697, 17.3458,
11.7855

■ 32.4896, 28.3515,
33.1148

■ 9.8492, 17.1533,
10.6669

■ 36.1391, 30.1813,
35.6150

■ 9.6402, 17.0587,
10.0623

■ 40.1086, 32.1738,
38.2350

■ 44.4061, 34.3330,
40.9765

Harmonies

Analogous

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



17.4865, 20.5438, 17.1553



16.8366, 20.5438, 20.5307



16.8803, 20.5438, 24.8618

Triad

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



16.8366, 20.5438, 20.5307



20.3784, 20.5438, 31.2959



21.5777, 20.5438, 16.8413

Complementary

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



16.8366, 20.5438, 20.5307



17.0543, 15.2127, 17.6613

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.



22.4352, 20.5438, 20.0481



16.8366, 20.5438, 20.5307



21.7187, 20.5438, 28.5439

Square

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



16.8366, 20.5438, 20.5307



18.8735, 20.5438, 31.4688



22.4881, 20.5438, 24.3133



20.1939, 20.5438, 15.2175

Rectangle

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



16.8366, 20.5438, 20.5307



17.2963, 20.5438, 27.7266



22.4881, 20.5438, 24.3133



21.9401, 20.5438, 17.7498

Sweetspot

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



16.8372, 20.5447, 20.5312



35.6931, 39.1818, 41.7537



17.4053, 20.9564, 15.1846



8.2679, 9.1014, 9.6843



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.8372, 20.5447, 20.5312



28.0255, 35.3814, 34.5111



17.3153, 20.1646, 24.8104



4.7236, 5.2477, 5.5559



9.3363, 16.5174, 9.7565



0.0360, 0.0587, 0.0529

Inverse Universe

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



17.0543, 15.2127, 17.6613



28.4763, 24.3258, 28.5634



16.6338, 15.4605, 14.1644



4.7452, 4.7178, 5.2705



9.8525, 5.0053, 3.7955



0.0376, 0.0187, 0.0314

Previews

White Background



This preview shows how the XYZ color 16.8366, 20.5438, 20.5307 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 16.8366, 20.5438, 20.5307 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 16.8366, 20.5438, 20.5307

Background



This preview shows how black text looks on a background with the XYZ color 16.8366, 20.5438, 20.5307.



This preview shows how white text looks on a background with the XYZ color 16.8366, 20.5438,

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

16.8366, 20.5438, 20.5307

Protanopia

19.3554, 20.3202, 19.1217

Deuteranopia

20.7698, 20.4585, 20.9434



Tritanopia

18.2194, 20.5077, 27.4242

Trichromacy



Original Color

16.8366, 20.5438, 20.5307

Protanomaly

18.2130, 20.2912, 19.4797

Deuteranomaly

19.0360, 20.3084, 20.6859

Tritanomaly

17.7410, 20.5148, 24.8545

Monochromacy



Original Color

16.8366, 20.5438, 20.5307

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.5338, 19.5340, 20.6156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8366, 20.5438, 20.5307 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(100, 132, 119)` looks like.

```
.text, #text, p{  
    color:rgb(100, 132, 119)  
}
```

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(100, 132, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 132, 119) }
```

Border

The CSS property to change the border of an element to XYZ 16.8366, 20.5438, 20.5307 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(100, 132, 119) }
```


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

```
.border{ border-color:rgb(100, 132, 119) }
```

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

Here you see how a box with a 4 pixel rgb(100, 132, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 132, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 132, 119);  
box-shadow:4px 4px 4px 4px rgb(100, 132,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8366, 20.5438, 20.5307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 132, 119) }
```

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

```
.background{ background-color: rgb(100,  
132, 119) }
```

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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