

Converting Colors

XYZ(20.3191, 18.5719, 16.2864)

Have a look what the booklet for
XYZ(20.3191, 18.5719, 16.2864)
contains.

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Color

**XYZ(20.3709, 18.6335,
16.4329)**

Conversions

Conversions Part 1

Format	Color
Hex	936F6B
RGB	147, 111, 107
RGB Percent	58%, 44%, 42%
CMY	0.4235, 0.5647, 0.5804
CMYK	0.00, 0.24, 0.27, 0.42
HSL	6°, 16%, 50%
HSV	6°, 27%, 58%
XYZ	20.3709, 18.6335, 16.4329
YIQ	121.3080, 22.7400, 6.3880

Conversions

Conversions Part 2

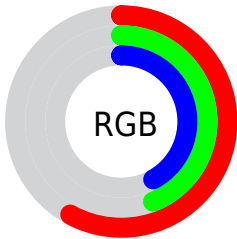
Format	Color
R_{YB}	147, 111, 107
Decimal	9662315
CIE _{Lab}	50.26, 13.64, 7.75
CIE _{LCh}	50, 15.686, 29.611
Yxy	18.6335, 0.3675, 0.3361
Android (android.graphics.Color)	4287852395 (0xFF936F6B)
YUV	121.3080, -7.0538, 22.5319
Hunter-Lab	43.1665, 8.6952, 7.6457

Details

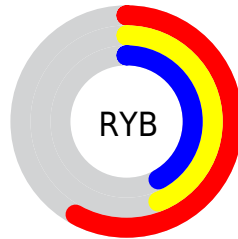
The XYZ color **20.3709, 18.6335, 16.4329** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.1520, 24.8764, 31.2906**, and the grayscale version is **18.2910, 19.2436, 20.9563**.

A 20% lighter version of the original color is **43.6259, 41.2196, 38.0046**, and **7.3124, 6.3142, 5.1083** is the 20% darker color. If you saturate the color by 10%, you get **18.3243, 15.6744, 12.2540**, and if you desaturate by 10%, it is **22.7638, 22.0745, 21.3764**.

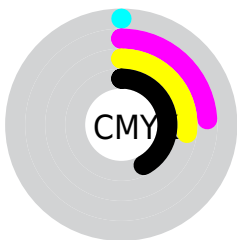
Distribution



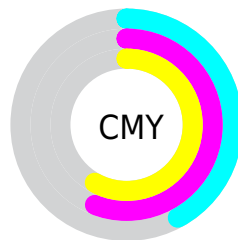
- Red (58%)
- Green (44%)
- Blue (42%)



- Red (58%)
- Yellow (44%)
- Blue (42%)



- Cyan (0%)
- Magenta (24%)
- Yellow (27%)
- Black (42%)





- Cyan (42%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3709, 18.6335, 16.4329 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 20.3709, 18.6335, 16.4329 by changing the saturation by 10% instead.


 20.3709, 18.6335,
16.4329


 20.3709, 18.6335,
16.4329


246.7115,
244.4179, 243.8151


 12.7748, 11.4058,
9.6733


 43.5374, 41.1139,
38.1253


 7.3496, 6.3404,
5.0802


 59.8384, 57.1353,
53.8953

 3.7299, 3.0532,
2.2348

 79.7718, 76.8567,
73.5057

 1.5505, 1.1596,
0.6943

 103.7029,
100.6626, 97.3753

 0.3598, 0.0283,
0.0000

131.9971,
128.9372, 125.9225

 0.0000, 0.0000,
0.0000

165.0197,

162.0651, 159.5658

203.1360,
200.4305, 198.7238

■ 20.3709, 18.6335,
16.4329

■ 20.3709, 18.6335,
16.4329

■ 18.3243, 15.6744,
12.2540

■ 22.7638, 22.0745,
21.3764

■ 16.6064, 13.1732,
8.8004

■ 25.5166, 26.0149,
27.1187

■ 15.2006, 11.1078,
6.0310

■ 28.6436, 30.4744,
33.6936

■ 14.0878, 9.4532,
3.9002

■ 32.1583, 35.4710,
41.1324

■ 13.2473, 8.1818,
2.3569

■ 36.0734, 41.0216,
49.4648

■ 12.6551, 7.2626,
1.3421

■ 40.4009, 47.1427,
58.7191

■ 12.2780, 6.6578,
0.7557

■ 45.1524, 53.8498,
68.9224

■ 12.1994, 6.5366,
0.6187

■ 50.3391, 61.1580,
80.1006

■ 55.9716, 69.0818,
92.2788

Harmonies

Analogous

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



20.7921, 18.6335, 20.3456



20.3709, 18.6335, 16.4329



19.2283, 18.6335, 13.8994

Triad

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



20.3709, 18.6335, 16.4329



15.3106, 18.6335, 16.3475



17.6908, 18.6335, 29.8466

Complementary

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



20.3709, 18.6335, 16.4329



21.1520, 24.8764, 31.2906

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.



16.2749, 18.6335, 28.3860



20.3709, 18.6335, 16.4329



14.9497, 18.6335, 20.2320

Square

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



20.3709, 18.6335, 16.4329



16.3074, 18.6335, 13.8553



15.2926, 18.6335, 24.7049



19.1920, 18.6335, 28.4572

Rectangle

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



20.3709, 18.6335, 16.4329



18.2421, 18.6335, 13.1282



15.2926, 18.6335, 24.7049



17.1895, 18.6335, 29.6700

Sweetspot

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



20.3714, 18.6344, 16.4333



45.1977, 45.8761, 47.5212



22.2484, 18.7018, 28.4238



10.1525, 10.2365, 10.5026



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.3714, 18.6344, 16.4333



34.0421, 29.8469, 24.4364



22.8029, 23.4973, 17.2438



5.8448, 5.9033, 6.0719



10.5858, 5.6859, 0.5396



0.1388, 0.0880, 0.0097

Inverse Universe

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



21.1520, 24.8764, 31.2906



35.6894, 43.0427, 55.8616



18.4130, 19.3985, 30.3776



5.9151, 6.4641, 7.4057



11.7632, 16.2213, 26.4421



0.1555, 0.2216, 0.3275

Previews

White Background



This preview shows how the XYZ color 20.3709, 18.6335, 16.4329 looks on a white background.

Color Contrast Check

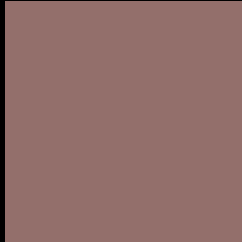
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3709, 18.6335, 16.4329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

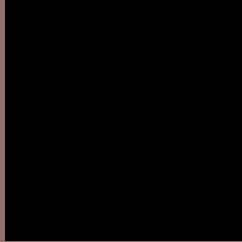
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3709, 18.6335, 16.4329

Background



This preview shows how black text looks on a background with the XYZ color 20.3709, 18.6335, 16.4329.



This preview shows how white text looks on a background with the XYZ color 20.3709, 18.6335,

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

20.3709, 18.6335, 16.4329

Protanopia

17.7782, 18.6264, 17.6972

Deuteranopia

18.8856, 18.5363, 16.2182



Tritanopia

20.9514, 18.5412, 19.6141

Trichromacy



Original Color

20.3709, 18.6335, 16.4329

Protanomaly

18.5756, 18.5221, 17.3479

Deuteranomaly

19.4340, 18.6507, 16.2113

Tritanomaly

20.8259, 18.6627, 18.4242

Monochromacy



Original Color

20.3709, 18.6335, 16.4329

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.7196, 18.7294, 19.1515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3709, 18.6335, 16.4329 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(147, 111, 107)` looks like.

```
.text, #text, p{  
    color:rgb(147, 111, 107)  
}
```

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(147, 111, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 111, 107) }
```

Border

The CSS property to change the border of an element to XYZ 20.3709, 18.6335, 16.4329 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(147, 111, 107) }
```


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

```
.border{ border-color:rgb(147, 111, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 111, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 111, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 111, 107);  
box-shadow:4px 4px 4px 4px rgb(147, 111,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3709, 18.6335, 16.4329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 111, 107) }
```

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

```
.background{ background-color: rgb(147,  
111, 107) }
```

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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