

Converting Colors

XYZ(16.3550, 16.8382, 20.0584)

Have a look what the booklet for
XYZ(16.3550, 16.8382, 20.0584)
contains.

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Color

**XYZ(16.3655, 16.8112,
20.1516)**

Conversions

Conversions Part 1

Format	Color
Hex	737178
RGB	115, 113, 120
RGB Percent	45%, 44%, 47%
CMY	0.5490, 0.5569, 0.5294
CMYK	0.04, 0.06, 0.00, 0.53
HSL	257°, 3%, 46%
HSV	257°, 6%, 47%
XYZ	16.3655, 16.8112, 20.1516
YIQ	114.3960, -1.0550, 2.6010

Conversions

Conversions Part 2

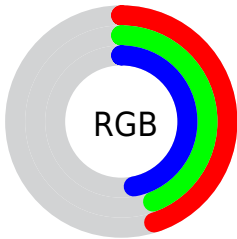
Format	Color
R_{YB}	115, 113, 120
Decimal	7565688
CIE Lab	48.02, 2.21, -3.59
CIE LCh	48, 4.219, 301.583
Yxy	16.8112, 0.3069, 0.3152
Android (android.graphics.Color)	4285755768 (0xFF737178)
YUV	114.3960, 2.7628, 0.5297
Hunter-Lab	41.0015, -0.5053, -0.4391

Details

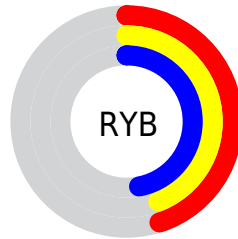
The XYZ color **16.3655, 16.8112, 20.1516** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.1690, 18.4772, 18.2853**, and the grayscale version is **16.1058, 16.9446, 18.4526**.

A 20% lighter version of the original color is **36.8379, 38.1043, 44.4430**, and **5.3747, 5.4418, 6.8980** is the 20% darker color. If you saturate the color by 10%, you get **14.0388, 13.7544, 19.6845**, and if you desaturate by 10%, it is **18.9752, 20.2776, 20.6834**.

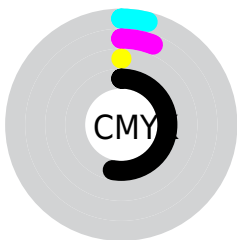
Distribution



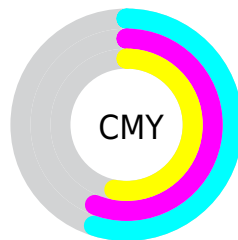
- Red (45%)
- Green (44%)
- Blue (47%)



- Red (45%)
- Yellow (44%)
- Blue (47%)



- Cyan (4%)
- Magenta (6%)
- Yellow (0%)
- Black (53%)



- Cyan (55%)
- Magenta (56%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3655, 16.8112, 20.1516 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 16.3655, 16.8112, 20.1516 by changing the saturation by 10% instead.

■ 16.3655, 16.8112,
20.1516

■ 16.3655, 16.8112,
20.1516

224.7171,
234.0820, 265.3660

■ 9.8756, 10.1000,
12.3201

■ 36.7839, 38.0009,
44.5335

■ 5.3782, 5.4653,
6.8369

■ 51.4432, 53.2481,
61.9210

■ 2.5079, 2.5228,
3.2834

■ 69.5563, 72.1095,
83.3310

■ 0.8992, 0.8880,
1.2411

■ 91.4886, 94.9694,
109.1819

■ 0.0000, 0.0000,
0.0128

117.6055,
122.2122, 139.8923

■ 0.0000, 0.0000,
0.0000

148.2723,

154.2223, 175.8807

183.8544,
191.3841, 217.5658

■ 16.3655, 16.8112,
20.1516

■ 16.3655, 16.8112,
20.1516

■ 14.0388, 13.7544,
19.6845

■ 18.9752, 20.2776,
20.6834

■ 11.9838, 11.0897,
19.2784

■ 21.8756, 24.1660,
21.2811

■ 10.1907, 8.8018,
18.9313

■ 25.0760, 28.4907,
21.9471

■ 8.6485, 6.8732,
18.6404

■ 28.5849, 33.2648,
22.6837

■ 7.3454, 5.2851,
18.4025

■ 32.4103, 38.5010,
23.4927

■ 6.2685, 4.0172,
18.2145

■ 36.5602, 44.2112,
24.3762

■ 5.4039, 3.0465,
18.0727

■ 41.0419, 50.4070,
25.3359

■ 4.7356, 2.3473,
17.9730

■ 45.8628, 57.0997,
26.3736

■ 4.2375, 1.8735,
17.9078

■ 51.0299, 64.3002,
27.4911

Harmonies

Analogous

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



15.9988, 16.8112, 20.4841



16.3655, 16.8112, 20.1516



16.6319, 16.8112, 19.3217

Triad

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



16.3655, 16.8112, 20.1516



16.3299, 16.8112, 16.5197



15.2570, 16.8112, 18.3626

Complementary

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



16.3655, 16.8112, 20.1516



17.1690, 18.4772, 18.2853

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.



15.3425, 16.8112, 17.3237



16.3655, 16.8112, 20.1516



15.9583, 16.8112, 16.2854

Square

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



16.3655, 16.8112, 20.1516



16.6111, 16.8112, 17.2270



15.5977, 16.8112, 16.5739



15.3623, 16.8112, 19.4261

Rectangle

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



16.3655, 16.8112, 20.1516



16.7146, 16.8112, 18.6135



15.5977, 16.8112, 16.5739



15.2644, 16.8112, 17.9990

Sweetspot

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



16.3660, 16.8119, 20.1520



30.4610, 31.7885, 35.7834



16.6812, 17.8281, 20.3315



7.2353, 7.5552, 8.4836



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



16.3660, 16.8119, 20.1520



28.2075, 28.8070, 35.3267



16.8329, 17.0526, 20.1738



4.0043, 4.0876, 5.0211



4.4144, 1.8485, 19.5094



20.3189, 8.4368, 93.0273

Inverse Universe

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



16.9215, 17.1122, 19.5517



29.4009, 29.4521, 34.0312



16.7045, 18.2378, 18.2635



4.1762, 4.1805, 4.8345



10.2653, 5.0823, 9.9539



48.5862, 24.0908, 45.4787

Previews

White Background



This preview shows how the XYZ color 16.3655, 16.8112, 20.1516 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 16.3655, 16.8112, 20.1516 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

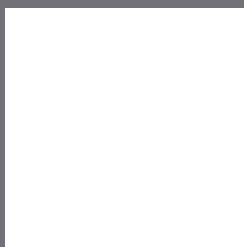
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3655, 16.8112, 20.1516

Background



This preview shows how black text looks on a background with the XYZ color 16.3655, 16.8112, 20.1516.



This preview shows how white text looks on a background with the XYZ color 16.3655, 16.8112,

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

16.3655, 16.8112, 20.1516

Protanopia

16.2347, 16.7437, 20.1455

Deuteranopia

17.1006, 16.8625, 20.1228



Tritanopia

16.4882, 16.8602, 20.7977

Trichromacy

**Original Color**

16.3655, 16.8112, 20.1516

Protanomaly

16.2347, 16.7437, 20.1455

Deuteranomaly

16.7921, 16.8663, 20.1398

Tritanomaly

16.4265, 16.8356, 20.4730

Monochromacy

**Original Color**

16.3655, 16.8112, 20.1516

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1091, 16.8730, 18.9308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3655, 16.8112, 20.1516 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(115, 113, 120)` looks like.

```
.text, #text, p{  
    color:rgb(115, 113, 120)  
}
```

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(115, 113, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 113, 120) }
```

Border

The CSS property to change the border of an element to XYZ 16.3655, 16.8112, 20.1516 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(115, 113, 120) }
```


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

```
.border{ border-color:rgb(115, 113, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 113, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 113, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 113, 120);  
box-shadow:4px 4px 4px 4px rgb(115, 113,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3655, 16.8112, 20.1516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 113, 120) }
```

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

```
.background{ background-color: rgb(115,  
113, 120) }
```

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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