

Converting Colors

XYZ(18.6745, 18.0457, 18.5781)

Have a look what the booklet for
XYZ(18.6745, 18.0457, 18.5781)
contains.

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Color

**XYZ(18.6725, 18.0346,
18.7165)**

Conversions

Conversions Part 1

Format	Color
Hex	857173
RGB	133, 113, 115
RGB Percent	52%, 44%, 45%
CMY	0.4784, 0.5568, 0.5490
CMYK	0.00, 0.15, 0.14, 0.48
HSL	354°, 8%, 48%
HSV	354°, 15%, 52%
XYZ	18.6725, 18.0346, 18.7165
YIQ	119.2080, 11.2780, 4.8620

Conversions

Conversions Part 2

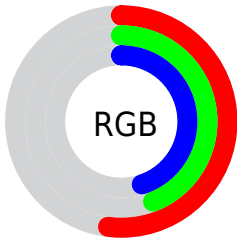
Format	Color
R_{YB}	133, 113, 115
Decimal	8745331
CIE _{Lab}	49.54, 8.17, 1.79
CIE _{LCh}	50, 8.367, 12.376
Yxy	18.0346, 0.3369, 0.3254
Android (android.graphics.Color)	4286935411 (0xFF857173)
YUV	119.2080, -2.0745, 12.0956
Hunter-Lab	42.4672, 4.1676, 3.5962

Details

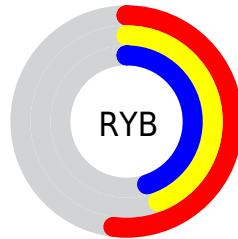
The XYZ color **18.6725, 18.0346, 18.7165** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.2950, 21.9249, 24.6888**, and the grayscale version is **17.6047, 18.5215, 20.1700**.

A 20% lighter version of the original color is **40.6799, 40.1394, 42.1628**, and **6.4707, 6.0248, 6.1321** is the 20% darker color. If you saturate the color by 10%, you get **16.6514, 15.0240, 14.8619**, and if you desaturate by 10%, it is **21.0016, 21.5176, 23.1156**.

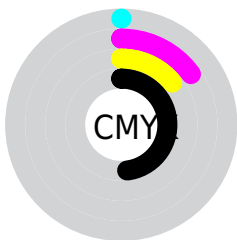
Distribution



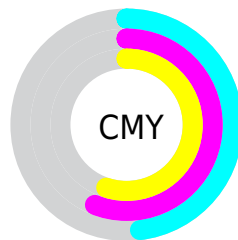
- Red (52%)
- Green (44%)
- Blue (45%)



- Red (52%)
- Yellow (44%)
- Blue (45%)



- Cyan (0%)
- Magenta (15%)
- Yellow (14%)
- Black (48%)



- Cyan (48%)
- Magenta (56%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6725, 18.0346, 18.7165 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 18.6725, 18.0346, 18.7165 by changing the saturation by 10% instead.

■ 18.6725, 18.0346,
18.7165

■ 18.6725, 18.0346,
18.7165

237.6077,
241.0660, 257.2495

■ 11.5365, 10.9748,
11.2909

■ 40.7011, 40.0963,
42.0848

■ 6.4988, 6.0499,
6.1462

■ 56.3244, 55.8670,
58.8645

■ 3.1942, 2.8755,
2.8640

■ 75.5076, 75.3101,
79.5994

■ 1.2573, 1.0671,
1.0256

■ 98.6159, 98.8100,
104.7080

■ 0.1509, 0.0000,
0.0000

126.0147,
126.7512, 134.6087

■ 0.0000, 0.0000,
0.0000

158.0693,

159.5180, 169.7202

195.1452,
197.4948, 210.4609

■ 18.6725, 18.0346,
18.7165

■ 18.6725, 18.0346,
18.7165

■ 16.6514, 15.0240,
14.8619

■ 21.0016, 21.5176,
23.1156

■ 14.9238, 12.4631,
11.5296

■ 23.6493, 25.4895,
28.0781

■ 13.4767, 10.3310,
8.6973

■ 26.6274, 29.9691,
33.6234

■ 12.2951, 8.6043,
6.3410

■ 29.9469, 34.9734,
39.7695

■ 11.3627, 7.2573,
4.4343

■ 33.6182, 40.5186,
46.5337

■ 10.6617, 6.2613,
2.9486

■ 37.6510, 46.6203,
53.9327

■ 10.1714, 5.5835,
1.8518

■ 42.0550, 53.2935,
61.9824

■ 9.8641, 5.1777,
1.1059

■ 46.8394, 60.5523,
70.6983

■ 9.7474, 5.0164,
0.8450

■ 52.0130, 68.4108,
80.0952

Harmonies

Analogous

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



18.6343, 18.0346, 20.9872



18.6725, 18.0346, 18.7165



18.2913, 18.0346, 16.8409

Triad

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



18.6725, 18.0346, 18.7165



16.1352, 18.0346, 16.5873



16.6843, 18.0346, 24.0942

Complementary

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



18.6725, 18.0346, 18.7165



19.2950, 21.9249, 24.6888

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.



16.0406, 18.0346, 22.7257



18.6725, 18.0346, 18.7165



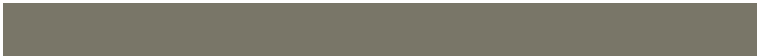
15.7303, 18.0346, 18.3453

Square

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



18.6725, 18.0346, 18.7165



16.8170, 18.0346, 15.6767



15.6963, 18.0346, 20.5864



17.4699, 18.0346, 24.2129

Rectangle

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



18.6725, 18.0346, 18.7165



17.8573, 18.0346, 16.0198



15.6963, 18.0346, 20.5864



16.4448, 18.0346, 23.7605

Sweetspot

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



18.6730, 18.0354, 18.7169



37.5746, 38.4812, 41.3296



19.4994, 18.3298, 24.7008



8.4058, 8.5804, 9.1993



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.



18.6730, 18.0354, 18.7169



32.1576, 30.3857, 31.0819



19.4914, 19.8542, 18.4287



4.6901, 4.6957, 4.9803



9.2862, 4.7788, 0.8134



0.0333, 0.0170, 0.0088

Inverse Universe

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



18.6730, 18.0354, 18.7169



32.1576, 30.3857, 31.0819



18.3780, 19.8721, 25.0576



4.6901, 4.6957, 4.9803



9.2862, 4.7788, 0.8134



0.0333, 0.0170, 0.0088

Previews

White Background



This preview shows how the XYZ color 18.6725, 18.0346, 18.7165 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 18.6725, 18.0346, 18.7165 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 18.6725, 18.0346, 18.7165

Background



This preview shows how black text looks on a background with the XYZ color 18.6725, 18.0346, 18.7165.



This preview shows how white text looks on a background with the XYZ color 18.6725, 18.0346,

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

18.6725, 18.0346, 18.7165

Protanopia

17.3179, 18.0000, 19.3912

Deuteranopia

18.3177, 18.0183, 18.7321



Tritanopia

19.0769, 18.0371, 20.5652

Trichromacy



Original Color

18.6725, 18.0346, 18.7165

Protanomaly

17.8552, 18.1117, 19.0778

Deuteranomaly

18.4719, 18.0977, 18.7393

Tritanomaly

18.9555, 17.9886, 19.9258

Monochromacy



Original Color

18.6725, 18.0346, 18.7165

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.9435, 18.3157, 19.7291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6725, 18.0346, 18.7165 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(133, 113, 115)` looks like.

```
.text, #text, p{  
    color:rgb(133, 113, 115)  
}
```

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(133, 113, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 113, 115) }
```

Border

The CSS property to change the border of an element to XYZ 18.6725, 18.0346, 18.7165 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(133, 113, 115) }
```


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

```
.border{ border-color:rgb(133, 113, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 113, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 113, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 113, 115);  
box-shadow:4px 4px 4px 4px rgb(133, 113,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6725, 18.0346, 18.7165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 113, 115) }
```

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

```
.background{ background-color: rgb(133,  
113, 115) }
```

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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