

Converting Colors

XYZ(16.1161, 17.6981, 14.8280)

Have a look what the booklet for
XYZ(16.1161, 17.6981, 14.8280)
contains.

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Color

**XYZ(16.1635, 17.6784,
14.8723)**

Conversions

Conversions Part 1

Format	Color
Hex	757665
RGB	117, 118, 101
RGB Percent	46%, 46%, 40%
CMY	0.5412, 0.5372, 0.6039
CMYK	0.01, 0.00, 0.14, 0.54
HSL	64°, 8%, 43%
HSV	64°, 14%, 46%
XYZ	16.1635, 17.6784, 14.8723
YIQ	115.7630, 4.8610, -5.4990

Conversions

Conversions Part 2

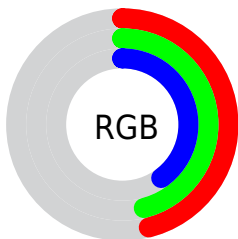
Format	Color
R_{YB}	101, 118, 102
Decimal	7698021
CIE Lab	49.10, -3.60, 9.25
CIE LCh	49, 9.926, 111.296
Yxy	17.6784, 0.3318, 0.3629
Android (android.graphics.Color)	4285888101 (0xFF757665)
YUV	115.7630, -7.2782, 1.0848
Hunter-Lab	42.0457, -4.9597, 8.4601

Details

The XYZ color **16.1635, 17.6784, 14.8723** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4040, 13.4407, 19.0284**, and the grayscale version is **16.5488, 17.4107, 18.9602**.

A 20% lighter version of the original color is **36.4044, 39.4515, 35.4019**, and **5.3103, 5.9119, 4.3513** is the 20% darker color. If you saturate the color by 10%, you get **15.5334, 17.4162, 12.0384**, and if you desaturate by 10%, it is **16.8783, 17.9758, 18.1443**.

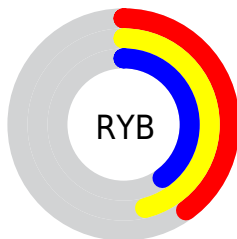
Distribution



Red (46%)

Green (46%)

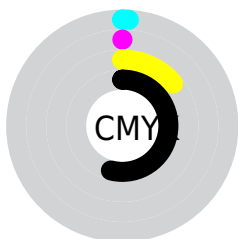
Blue (40%)



Red (40%)

Yellow (46%)

Blue (40%)

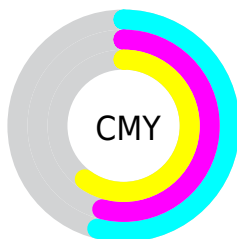


Cyan (1%)

Magenta (0%)

Yellow (14%)

Black (54%)



Cyan (54%)

Magenta (54%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1635, 17.6784, 14.8723 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 16.1635, 17.6784, 14.8723 by changing the saturation by 10% instead.

■ 16.1635, 17.6784,
14.8723

■ 16.1635, 17.6784,
14.8723

223.5560,
239.0520, 234.2061

■ 9.7315, 10.7193,
8.5842

■ 36.4370, 39.4886,
35.3681

■ 5.2822, 5.8784,
4.3779

■ 51.0092, 55.1085,
50.4129

■ 2.4502, 2.7713,
1.8349

■ 69.0255, 74.3841,
69.2137

■ 0.8702, 1.0135,
0.4508

■ 90.8512, 97.6998,
92.1890

■ 0.0000, 0.0000,
0.0000

116.8518,
125.4401, 119.7573

147.3926,

157.9893, 152.3373

182.8389,
195.7318, 190.3473

■ 16.1635, 17.6784,
14.8723

■ 16.1635, 17.6784,
14.8723

■ 15.5334, 17.4162,
12.0384

■ 16.8783, 17.9758,
18.1443

■ 14.9830, 17.1853,
9.6229

■ 17.6798, 18.3073,
21.8707

■ 14.5090, 16.9851,
7.6064

■ 18.5714, 18.6749,
26.0685

■ 14.1074, 16.8140,
5.9673

■ 19.5561, 19.0799,
30.7531

■ 13.7737, 16.6700,
4.6821

■ 20.6369, 19.5234,
35.9397

■ 13.5029, 16.5513,
3.7247

■ 21.8164, 20.0065,
41.6424

■ 13.2894, 16.4557,
3.0653

■ 23.0973, 20.5301,
47.8751

■ 13.1247, 16.3796,
2.6593

■ 24.4819, 21.0954,
54.6509

■ 13.0394, 16.3398,
2.4666

■ 25.9729, 21.7033,
61.9826

Harmonies

Analogous

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



17.0740, 17.6784, 14.6295



16.1635, 17.6784, 14.8723



15.4494, 17.6784, 16.2291

Triad

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



16.1635, 17.6784, 14.8723



15.7124, 17.6784, 23.5151



18.6276, 17.6784, 20.0319

Complementary

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



16.1635, 17.6784, 14.8723



13.4040, 13.4407, 19.0284

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.



18.2330, 17.6784, 22.6216



16.1635, 17.6784, 14.8723



16.5344, 17.6784, 24.7504

Square

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



16.1635, 17.6784, 14.8723



15.1957, 17.6784, 21.1636



17.4587, 17.6784, 24.4092



18.5194, 17.6784, 17.4531

Rectangle

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



16.1635, 17.6784, 14.8723



15.1699, 17.6784, 17.6573



17.4587, 17.6784, 24.4092



18.5488, 17.6784, 20.9331

Sweetspot

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



16.1640, 17.6792, 14.8727



29.7171, 31.6225, 32.0919



14.5574, 14.2649, 14.2983



6.8132, 7.2625, 7.2897



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.



16.1640, 17.6792, 14.8727



28.0704, 30.9384, 24.5675



15.0918, 17.1264, 14.8225



3.9463, 4.2558, 3.9557



14.1024, 17.6744, 2.6682



68.4664, 85.9975, 12.9906

Inverse Universe

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



13.4040, 13.4407, 19.0284



22.3191, 22.1061, 33.2275



14.3983, 13.9533, 19.0750



3.5188, 3.5992, 4.5995



3.6281, 1.4617, 18.6335



17.4325, 6.9953, 90.7917

Previews

White Background



This preview shows how the XYZ color 16.1635, 17.6784, 14.8723 looks on a white background.

Color Contrast Check

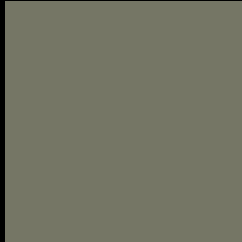
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1635, 17.6784, 14.8723 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

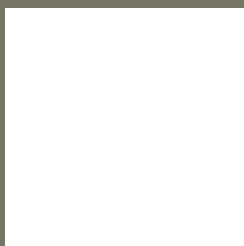
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1635, 17.6784, 14.8723

Background



This preview shows how black text looks on a background with the XYZ color 16.1635, 17.6784, 14.8723.



This preview shows how white text looks on a background with the XYZ color 16.1635, 17.6784,

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

16.1635, 17.6784, 14.8723

Protanopia

16.5717, 17.5485, 14.5704

Deuteranopia

17.8653, 17.5342, 15.0132



Tritanopia

17.5146, 17.7098, 21.5640

Trichromacy



Original Color

16.1635, 17.6784, 14.8723

Protanomaly

16.4073, 17.6357, 14.5959

Deuteranomaly

17.1680, 17.5060, 15.0445

Tritanomaly

17.0055, 17.6737, 19.0381

Monochromacy



Original Color

16.1635, 17.6784, 14.8723

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.4330, 17.5833, 17.5667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1635, 17.6784, 14.8723 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(117, 118, 101)` looks like.

```
.text, #text, p{  
    color:rgb(117, 118, 101)  
}
```

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(117, 118, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 118, 101) }
```

Border

The CSS property to change the border of an element to XYZ 16.1635, 17.6784, 14.8723 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(117, 118, 101) }
```


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

```
.border{ border-color:rgb(117, 118, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 118, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 118, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 118, 101);  
box-shadow:4px 4px 4px 4px rgb(117, 118,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1635, 17.6784, 14.8723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 118, 101) }
```

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

```
.background{ background-color: rgb(117,  
118, 101) }
```

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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