

Converting Colors

XYZ(16.4489, 17.1864, 18.1004)

Have a look what the booklet for
XYZ(16.4489, 17.1864, 18.1004)
contains.

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Color

**XYZ(16.4475, 17.2356,
18.0827)**

Conversions

Conversions Part 1

Format	Color
Hex	757371
RGB	117, 115, 113
RGB Percent	46%, 45%, 44%
CMY	0.5412, 0.5490, 0.5569
CMYK	0.00, 0.02, 0.03, 0.54
HSL	30°, 2%, 45%
HSV	30°, 3%, 46%
XYZ	16.4475, 17.2356, 18.0827
YIQ	115.3700, 1.8340, -0.1980

Conversions

Conversions Part 2

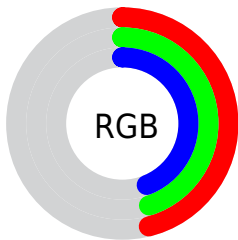
Format	Color
R_{YB}	117, 117, 113
Decimal	7697265
CIE Lab	48.56, 0.37, 1.37
CIE LCh	49, 1.418, 74.843
Yxy	17.2356, 0.3177, 0.3330
Android (android.graphics.Color)	4285887345 (0xFF757371)
YUV	115.3700, -1.1684, 1.4295
Hunter-Lab	41.5158, -1.9354, 3.2366

Details

The XYZ color **16.4475, 17.2356, 18.0827** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.1517, 17.0564, 19.2709**, and the grayscale version is **16.4115, 17.2662, 18.8029**.

A 20% lighter version of the original color is **36.9724, 38.7891, 41.1357**, and **5.4155, 5.6612, 5.8083** is the 20% darker color. If you saturate the color by 10%, you get **15.1855, 15.6985, 14.6191**, and if you desaturate by 10%, it is **17.8377, 18.8927, 22.0085**.

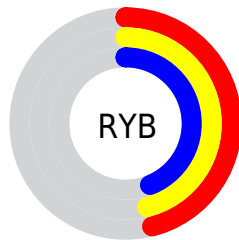
Distribution



Red (46%)

Green (45%)

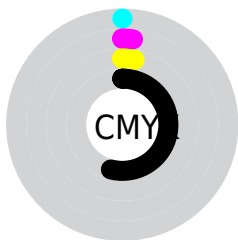
Blue (44%)



Red (46%)

Yellow (46%)

Blue (44%)

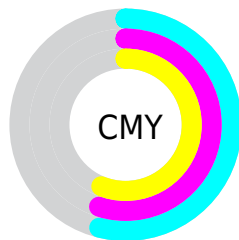


Cyan (0%)

Magenta (2%)

Yellow (3%)

Black (54%)



Cyan (54%)

Magenta (55%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4475, 17.2356, 18.0827 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 16.4475, 17.2356, 18.0827 by changing the saturation by 10% instead.

■ 16.4475, 17.2356,
18.0827

■ 16.4475, 17.2356,
18.0827

225.1869,
236.5264, 253.5885

■ 9.9342, 10.4026,
10.8393

■ 36.9246, 38.7304,
40.9940

■ 5.4173, 5.6667,
5.8461

■ 51.6191, 54.1610,
57.4991

■ 2.5314, 2.6435,
2.6844

■ 69.7713, 73.2263,
77.9284

■ 0.9111, 0.9486,
0.9356

■ 91.7467, 96.3106,
102.7006

■ 0.0000, 0.0000,
0.0000

117.9107,
123.7984, 132.2341

148.6284,

156.0740, 166.9476

184.2654,
193.5219, 207.2596

■ 16.4475, 17.2356,
18.0827

■ 16.4475, 17.2356,
18.0827

■ 15.1855, 15.6985,
14.6191

■ 17.8377, 18.8927,
22.0085

■ 14.0462, 14.2763,
11.5993

■ 19.3584, 20.6703,
26.4117

■ 13.0260, 12.9669,
9.0054

■ 21.0138, 22.5718,
31.3082

■ 12.1202, 11.7670,
6.8177

■ 22.8073, 24.5997,
36.7128

■ 11.3241, 10.6734,
5.0153

■ 24.7424, 26.7565,
42.6396

■ 10.6325, 9.6827,
3.5749

■ 26.8221, 29.0446,
49.1022

■ 10.0397, 8.7910,
2.4709

■ 29.0497, 31.4662,
56.1139

■ 9.5392, 7.9944,
1.6744

■ 31.4282, 34.0238,
63.6873

■ 9.1229, 7.2878,
1.1470

■ 33.9605, 36.7193,
71.8345

Harmonies

Analogous

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



16.5602, 17.2356, 18.2653



16.4475, 17.2356, 18.0827



16.3178, 17.2356, 18.0817

Triad

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



16.4475, 17.2356, 18.0827



16.1410, 17.2356, 18.9510



16.5592, 17.2356, 19.2799

Complementary

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



16.4475, 17.2356, 18.0827



16.1517, 17.0564, 19.2709

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.



16.4462, 17.2356, 19.4686



16.4475, 17.2356, 18.0827



16.2050, 17.2356, 19.2771

Square

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



16.4475, 17.2356, 18.0827



16.1413, 17.2356, 18.5797



16.3165, 17.2356, 19.4676



16.6249, 17.2356, 18.9548

Rectangle

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



16.4475, 17.2356, 18.0827



16.2392, 17.2356, 18.1840



16.3165, 17.2356, 19.4676



16.5254, 17.2356, 19.3616

Sweetspot

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



16.4480, 17.2363, 18.0831



30.0276, 31.5550, 33.9868



16.3360, 16.8302, 18.6075



6.9083, 7.2603, 7.8265



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.



16.4480, 17.2363, 18.0831



29.2911, 30.6696, 31.9304



16.6783, 17.6971, 18.1599



3.9622, 4.1465, 4.2968



9.7653, 7.5317, 0.9391



46.7303, 34.9891, 4.2906

Inverse Universe

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



16.1517, 17.0564, 19.2709



28.6572, 30.2845, 34.4721



15.9263, 16.6056, 19.1957



3.8677, 4.0891, 4.6757



5.2141, 4.7679, 19.1881



24.5524, 21.5214, 93.2203

Previews

White Background



This preview shows how the XYZ color 16.4475, 17.2356, 18.0827 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 16.4475, 17.2356, 18.0827 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

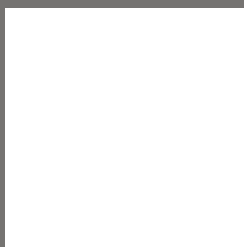
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4475, 17.2356, 18.0827

Background



This preview shows how black text looks on a background with the XYZ color 16.4475, 17.2356, 18.0827.



This preview shows how white text looks on a background with the XYZ color 16.4475, 17.2356,

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

16.4475, 17.2356, 18.0827

Protanopia

16.5826, 17.3053, 18.0890

Deuteranopia

17.5838, 17.3153, 18.3350



Tritanopia

17.0014, 17.2913, 20.8538

Trichromacy



Original Color

16.4475, 17.2356, 18.0827

Protanomaly

16.5826, 17.3053, 18.0890

Deuteranomaly

17.1108, 17.2361, 18.3447

Tritanomaly

16.8183, 17.2181, 19.8898

Monochromacy



Original Color

16.4475, 17.2356, 18.0827

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.3705, 17.1894, 18.3747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4475, 17.2356, 18.0827 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, 115, 113)` looks like.

```
.text, #text, p{  
    color:rgb(117, 115, 113)  
}
```

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, 115, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 115, 113) }
```

Border

The CSS property to change the border of an element to XYZ 16.4475, 17.2356, 18.0827 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, 115, 113) }
```


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

```
.border{ border-color:rgb(117, 115, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 115, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 115, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 115, 113);  
box-shadow:4px 4px 4px 4px rgb(117, 115,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4475, 17.2356, 18.0827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 115, 113) }
```

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

```
.background{ background-color: rgb(117,  
115, 113) }
```

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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