

Converting Colors

XYZ(16.3684, 16.4402, 26.9898)

Have a look what the booklet for
XYZ(16.3684, 16.4402, 26.9898)
contains.

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Color

**XYZ(16.4717, 16.5460,
27.1365)**

Conversions

Conversions Part 1

Format	Color
Hex	6A708C
RGB	106, 112, 140
RGB Percent	42%, 44%, 55%
CMY	0.5843, 0.5608, 0.4510
CMYK	0.24, 0.20, 0.00, 0.45
HSL	229°, 14%, 48%
HSV	229°, 24%, 55%
XYZ	16.4717, 16.5460, 27.1365
YIQ	113.3980, -12.5640, 7.4360

Conversions

Conversions Part 2

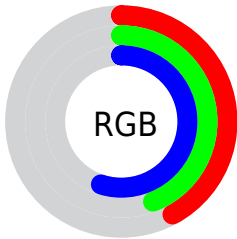
Format	Color
R_{YB}	106, 111, 140
Decimal	6975628
CIE _{Lab}	47.68, 4.27, -16.06
CIE _{LCh}	48, 16.622, 284.883
Yxy	16.5460, 0.2738, 0.2751
Android (android.graphics.Color)	4285165708 (0xFF6A708C)
YUV	113.3980, 13.1148, -6.4880
Hunter-Lab	40.6768, 1.0976, -11.0801

Details

The XYZ color **16.4717, 16.5460, 27.1365** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.9421, 23.6664, 17.0478**, and the grayscale version is **15.7796, 16.6014, 18.0789**.

A 20% lighter version of the original color is **37.1136, 37.7151, 56.3626**, and **5.4238, 5.3045, 10.4109** is the 20% darker color. If you saturate the color by 10%, you get **13.7502, 13.3743, 26.6680**, and if you desaturate by 10%, it is **19.6288, 20.1849, 27.6728**.

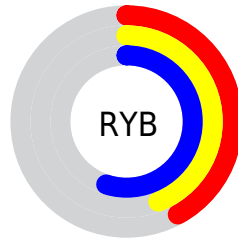
Distribution



Red (42%)

Green (44%)

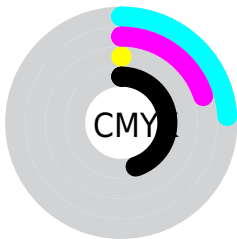
Blue (55%)



Red (42%)

Yellow (44%)

Blue (55%)

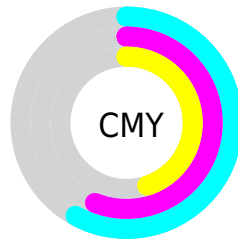


Cyan (24%)

Magenta (20%)

Yellow (0%)

Black (45%)



Cyan (58%)

Magenta (56%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4717, 16.5460, 27.1365 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 16.4717, 16.5460, 27.1365 by changing the saturation by 10% instead.

■ 16.4717, 16.5460,
27.1365

■ 16.4717, 16.5460,
27.1365

225.3253,
232.5423, 302.0985

■ 9.9515, 9.9113,
17.4424

■ 36.9661, 37.5435,
56.1092

■ 5.4288, 5.3402,
10.3851

■ 51.6709, 52.6752,
76.2250

■ 2.5383, 2.4482,
5.5461

■ 69.8347, 71.4079,
100.6516

■ 0.9146, 0.8505,
2.5068

■ 91.8228, 94.1262,
129.8078

■ 0.0000, 0.0000,
0.8438

118.0006,
121.2144, 164.1121

■ 0.0000, 0.0000,
0.0000

148.7334,

153.0569, 203.9829

184.3865,
190.0381, 249.8389

■ 16.4717, 16.5460,
27.1365

■ 16.4717, 16.5460,
27.1365

■ 13.7502, 13.3743,
26.6680

■ 19.6288, 20.1849,
27.6728

■ 11.4435, 10.6487,
26.2635

■ 23.2380, 24.3069,
28.2782

■ 9.5312, 8.3495,
25.9205

■ 27.3169, 28.9297,
28.9555

■ 7.9907, 6.4547,
25.6360

■ 31.8816, 34.0695,
29.7070

■ 6.7971, 4.9402,
25.4065

■ 36.9476, 39.7416,
30.5348

■ 5.9222, 3.7793,
25.2286

■ 42.5295, 45.9609,
31.4410

■ 5.3317, 2.9407,
25.0978

■ 48.6414, 52.7415,
32.4277

■ 5.0751, 2.5764,
25.0410

■ 55.2968, 60.0972,
33.4967

■ 62.5089, 68.0411,
34.6499

Harmonies

Analogous

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



14.9931, 16.5460, 27.1251



16.4717, 16.5460, 27.1365



17.8298, 16.5460, 24.4572

Triad

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



16.4717, 16.5460, 27.1365



17.8388, 16.5460, 12.8370



13.1266, 16.5460, 15.9651

Complementary

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



16.4717, 16.5460, 27.1365



21.9421, 23.6664, 17.0478

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.



13.7954, 16.5460, 12.8181



16.4717, 16.5460, 27.1365



16.4834, 16.5460, 11.2152

Square

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



16.4717, 16.5460, 27.1365



18.6522, 16.5460, 15.9950



15.0041, 16.5460, 11.2089



13.1239, 16.5460, 20.2000

Rectangle

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



16.4717, 16.5460, 27.1365



18.4576, 16.5460, 21.7167



15.0041, 16.5460, 11.2089



13.2790, 16.5460, 14.7612

Sweetspot

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



16.4722, 16.5467, 27.1369



39.0643, 40.6844, 49.5369



19.6092, 23.5354, 25.9787



8.9282, 9.2912, 11.4023



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.4722, 16.5467, 27.1369



26.3915, 26.0930, 47.3884



17.1929, 15.9678, 26.9872



4.8414, 5.0258, 6.3207



4.5205, 2.3113, 22.2536



0.0377, 0.0307, 0.1504

Inverse Universe

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



18.8944, 17.0539, 17.6259



31.4322, 27.2404, 27.5748



21.0687, 24.4825, 17.2514



5.0666, 5.0621, 5.4391



9.7686, 5.0175, 1.2856



0.0688, 0.0349, 0.0290

Previews

White Background



This preview shows how the XYZ color 16.4717, 16.5460, 27.1365 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 16.4717, 16.5460, 27.1365 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

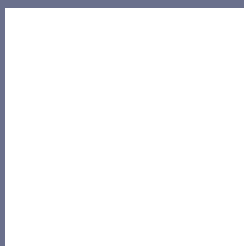
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4717, 16.5460, 27.1365

Background



This preview shows how black text looks on a background with the XYZ color 16.4717, 16.5460, 27.1365.



This preview shows how white text looks on a background with the XYZ color 16.4717, 16.5460,

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

16.4717, 16.5460, 27.1365

Protanopia

16.4717, 16.5460, 27.1365

Deuteranopia

16.8485, 16.5773, 27.1227



Tritanopia

15.3623, 16.6003, 21.4633

Trichromacy



Original Color

16.4717, 16.5460, 27.1365

Protanomaly

16.4717, 16.5460, 27.1365

Deuteranomaly

16.7247, 16.5135, 27.1169

Tritanomaly

15.7555, 16.5894, 23.4908

Monochromacy



Original Color

16.4717, 16.5460, 27.1365

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.9107, 16.5553, 21.0958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4717, 16.5460, 27.1365 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(106, 112, 140)` looks like.

```
.text, #text, p{  
    color:rgb(106, 112, 140)  
}
```

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(106, 112, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 112, 140) }
```

Border

The CSS property to change the border of an element to XYZ 16.4717, 16.5460, 27.1365 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(106, 112, 140) }
```


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

```
.border{ border-color:rgb(106, 112, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 112, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 112, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 112, 140);  
box-shadow:4px 4px 4px 4px rgb(106, 112,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4717, 16.5460, 27.1365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 112, 140) }
```

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

```
.background{ background-color: rgb(106,  
112, 140) }
```

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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