

Converting Colors

XYZ(16.6108, 16.8297, 28.3600)

Have a look what the booklet for
XYZ(16.6108, 16.8297, 28.3600)
contains.

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Color

**XYZ(16.5720, 16.7365,
28.3436)**

Conversions

Conversions Part 1

Format	Color
Hex	68718F
RGB	104, 113, 143
RGB Percent	41%, 44%, 56%
CMY	0.5921, 0.5569, 0.4392
CMYK	0.27, 0.21, 0.00, 0.44
HSL	226°, 16%, 48%
HSV	226°, 27%, 56%
XYZ	16.5720, 16.7365, 28.3436
YIQ	113.7290, -14.9940, 7.4220

Conversions

Conversions Part 2

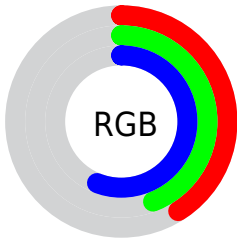
Format	Color
R_{YB}	104, 111, 143
Decimal	6844815
CIE _{Lab}	47.93, 3.78, -17.48
CIE _{LCh}	48, 17.888, 282.213
Yxy	16.7365, 0.2688, 0.2715
Android (android.graphics.Color)	4285034895 (0xFF68718F)
YUV	113.7290, 14.4306, -8.5323
Hunter-Lab	40.9103, 0.7141, -12.4403

Details

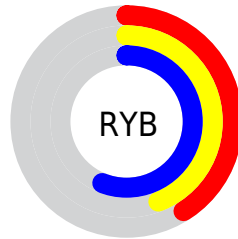
The XYZ color **16.5720, 16.7365, 28.3436** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.3517, 23.8895, 16.5303**, and the grayscale version is **15.8750, 16.7017, 18.1882**.

A 20% lighter version of the original color is **37.2435, 38.0094, 58.1969**, and **5.4970, 5.4117, 11.1108** is the 20% darker color. If you saturate the color by 10%, you get **13.8971, 13.6452, 27.8882**, and if you desaturate by 10%, it is **19.6782, 20.2718, 28.8625**.

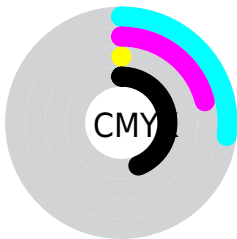
Distribution



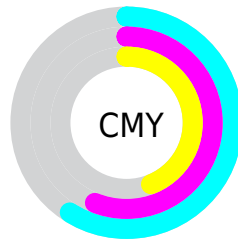
- Red (41%)
- Green (44%)
- Blue (56%)



- Red (41%)
- Yellow (44%)
- Blue (56%)



- Cyan (27%)
- Magenta (21%)
- Yellow (0%)
- Black (44%)



- Cyan (59%)
- Magenta (56%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5720, 16.7365, 28.3436 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 16.5720, 16.7365, 28.3436 by changing the saturation by 10% instead.

■ 16.5720, 16.7365,
28.3436

■ 16.5720, 16.7365,
28.3436

225.8984,
233.6493, 308.0686

■ 10.0232, 10.0468,
18.3435

■ 37.1379, 37.8722,
58.0622

■ 5.4767, 5.4300,
11.0249

■ 51.8857, 53.0869,
78.6179

■ 2.5672, 2.5017,
5.9692

■ 70.0973, 71.9122,
103.5292

■ 0.9293, 0.8775,
2.7579

■ 92.1379, 94.7323,
133.2146

■ 0.0000, 0.0000,
0.9724

118.3730,
121.9316, 168.0927

■ 0.0000, 0.0000,
0.0000

149.1678,

153.8947, 208.5820

184.8879,
191.0058, 255.1011

■ 16.5720, 16.7365,
28.3436

■ 16.5720, 16.7365,
28.3436

■ 13.8971, 13.6452,
27.8882

■ 19.6782, 20.2718,
28.8625

■ 11.6325, 10.9780,
27.4927

■ 23.2324, 24.2659,
29.4462

■ 9.7576, 8.7163,
27.1550

■ 27.2523, 28.7355,
30.0970

■ 8.2495, 6.8395,
26.8722

■ 31.7540, 33.6958,
30.8172

■ 7.0826, 5.3248,
26.6414

■ 36.7531, 39.1612,
31.6086

■ 6.2279, 4.1471,
26.4591

■ 42.2642, 45.1456,
32.4733

■ 5.6378, 3.2703,
26.3209

■ 48.3016, 51.6624,
33.4129

■ 5.5019, 3.0710,
26.2896

■ 54.8788, 58.7245,
34.4294

■ 62.0089, 66.3442,
35.5243

Harmonies

Analogous

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



14.9798, 16.7365, 28.0449



16.5720, 16.7365, 28.3436



18.0813, 16.7365, 25.6165

Triad

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



16.5720, 16.7365, 28.3436



18.3143, 16.7365, 12.8881



13.1361, 16.7365, 15.6449

Complementary

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



16.5720, 16.7365, 28.3436



22.3517, 23.8895, 16.5303

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.



13.9154, 16.7365, 12.4098



16.5720, 16.7365, 28.3436



16.8728, 16.7365, 11.0129

Square

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



16.5720, 16.7365, 28.3436



19.1318, 16.7365, 16.4099



15.2611, 16.7365, 10.8540



13.0676, 16.7365, 20.1655

Rectangle

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



16.5720, 16.7365, 28.3436



18.8089, 16.7365, 22.6804



15.2611, 16.7365, 10.8540



13.3211, 16.7365, 14.3919

Sweetspot

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



16.5725, 16.7372, 28.3440



41.0004, 42.7798, 52.6344



19.8279, 24.3068, 26.1647



9.1904, 9.5731, 12.0356



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.5725, 16.7372, 28.3440



26.5134, 26.3261, 50.2221



16.9003, 15.4887, 28.0857



5.2243, 5.4445, 6.8043



4.8787, 2.7435, 23.2495



0.0611, 0.0551, 0.2271

Inverse Universe

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



19.2591, 16.9331, 17.8768



32.2372, 26.9155, 27.8830



21.9313, 25.5988, 16.8824



5.4567, 5.4432, 5.9031



10.2657, 5.2633, 1.7844



0.1054, 0.0532, 0.0554

Previews

White Background



This preview shows how the XYZ color 16.5720, 16.7365, 28.3436 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 16.5720, 16.7365, 28.3436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

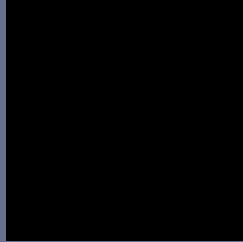
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

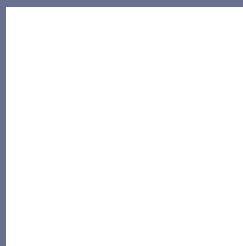
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.5720, 16.7365, 28.3436

Background



This preview shows how black text looks on a background with the XYZ color 16.5720, 16.7365, 28.3436.



This preview shows how white text looks on a background with the XYZ color 16.5720, 16.7365,

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

16.5720, 16.7365, 28.3436

Protanopia

16.6960, 16.6357, 28.3176

Deuteranopia

16.9490, 16.6033, 28.2980



Tritanopia

15.2026, 16.6808, 21.8205

Trichromacy



Original Color

16.5720, 16.7365, 28.3436

Protanomaly

16.5778, 16.5748, 28.3121

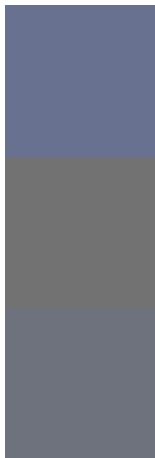
Deuteranomaly

16.8155, 16.6973, 28.3232

Tritanomaly

15.6624, 16.6941, 24.2266

Monochromacy



Original Color

16.5720, 16.7365, 28.3436

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1494, 16.8303, 21.7994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5720, 16.7365, 28.3436 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(104, 113, 143)` looks like.

```
.text, #text, p{  
    color:rgb(104, 113, 143)  
}
```

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(104, 113, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 113, 143) }
```

Border

The CSS property to change the border of an element to XYZ 16.5720, 16.7365, 28.3436 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(104, 113, 143) }
```


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

```
.border{ border-color:rgb(104, 113, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 113, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 113, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 113, 143);  
box-shadow:4px 4px 4px 4px rgb(104, 113,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5720, 16.7365, 28.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 113, 143) }
```

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

```
.background{ background-color: rgb(104,  
113, 143) }
```

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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