

Converting Colors

XYZ(16.4277, 16.9716, 33.2569)

Have a look what the booklet for
XYZ(16.4277, 16.9716, 33.2569)
contains.

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Color

**XYZ(16.3615, 16.8522,
33.4008)**

Conversions

Conversions Part 1

Format	Color
Hex	5B739B
RGB	91, 115, 155
RGB Percent	36%, 45%, 61%
CMY	0.6431, 0.5490, 0.3922
CMYK	0.41, 0.26, 0.00, 0.39
HSL	217°, 26%, 48%
HSV	217°, 41%, 61%
XYZ	16.3615, 16.8522, 33.4008
YIQ	112.3840, -27.1440, 7.3520

Conversions

Conversions Part 2

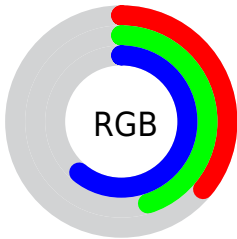
Format	Color
R_{YB}	91, 108, 155
Decimal	5993371
CIE _{Lab}	48.07, 1.96, -24.41
CIE _{LCh}	48, 24.492, 274.597
Yxy	16.8522, 0.2456, 0.2530
Android (android.graphics.Color)	4284183451 (0xFF5B739B)
YUV	112.3840, 21.0097, -18.7538
Hunter-Lab	41.0514, -0.6969, -19.5043

Details

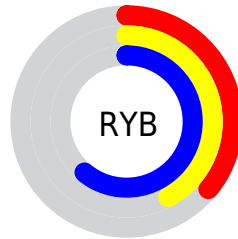
The XYZ color **16.3615, 16.8522, 33.4008** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.5226, 23.9568, 13.2824**, and the grayscale version is **15.4602, 16.2654, 17.7130**.

A 20% lighter version of the original color is **36.9532, 38.2199, 66.4023**, and **5.3809, 5.4649, 13.8679** is the 20% darker color. If you saturate the color by 10%, you get **13.9413, 14.0502, 32.9878**, and if you desaturate by 10%, it is **19.2146, 20.0504, 33.8681**.

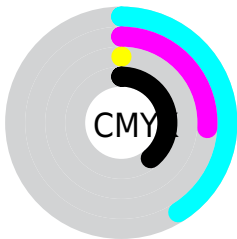
Distribution



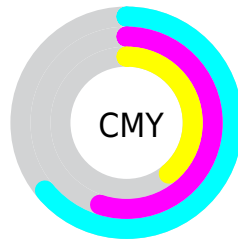
- Red (36%)
- Green (45%)
- Blue (61%)



- Red (36%)
- Yellow (42%)
- Blue (61%)



- Cyan (41%)
- Magenta (26%)
- Yellow (0%)
- Black (39%)



- Cyan (64%)
- Magenta (55%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3615, 16.8522, 33.4008 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 16.3615, 16.8522, 33.4008 by changing the saturation by 10% instead.

■ 16.3615, 16.8522,
33.4008

■ 16.3615, 16.8522,
33.4008

224.6942,
234.3192, 332.1391

■ 9.8728, 10.1292,
22.1600

■ 36.7771, 38.0715,
66.1240

■ 5.3763, 5.4847,
13.7751

■ 51.4346, 53.3365,
88.4435

■ 2.5067, 2.5344,
7.8274

■ 69.5458, 72.2177,
115.2930

■ 0.8986, 0.8938,
3.8985

■ 91.4760, 95.0994,
147.0910

■ 0.0000, 0.0000,
1.5699

117.5906,
122.3660, 184.2561

■ 0.0000, 0.0000,
0.2692

148.2550,

■ 0.0000, 0.0000,

154.4019, 227.2068

0.0000

183.8344,
191.5915, 276.3616

■ 16.3615, 16.8522,
33.4008

■ 16.3615, 16.8522,
33.4008

■ 13.9413, 14.0502,
32.9878

■ 19.2146, 20.0504,
33.8681

■ 11.9290, 11.6252,
32.6258

■ 22.5202, 23.6590,
34.3904

■ 10.2999, 9.5592,
32.3129

■ 26.2986, 27.6936,
34.9700

■ 9.0251, 7.8316,
32.0466

■ 30.5685, 32.1686,
35.6087

■ 8.0713, 6.4188,
31.8242

■ 35.3475, 37.0974,
36.3082

■ 7.4359, 5.4055,
31.6621

■ 40.6522, 42.4931,
37.0700

■ 46.4985, 48.3680,
37.8959

■ 52.9017, 54.7341,
38.7872

■ 59.8762, 61.6028,
39.7454

Harmonies

Analogous

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



14.2581, 16.8522, 31.7289



16.3615, 16.8522, 33.4008



18.5611, 16.8522, 30.3404

Triad

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



16.3615, 16.8522, 33.4008



19.7877, 16.8522, 12.2552



12.4682, 16.8522, 13.5959

Complementary

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



16.3615, 16.8522, 33.4008



23.5226, 23.9568, 13.2824

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.



13.7176, 16.8522, 10.0249



16.3615, 16.8522, 33.4008



17.9160, 16.8522, 9.3852

Square

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



16.3615, 16.8522, 33.4008



20.6518, 16.8522, 17.3883



15.6784, 16.8522, 8.6744



12.1342, 16.8522, 19.3449

Rectangle

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



16.3615, 16.8522, 33.4008



19.7481, 16.8522, 26.3664



15.6784, 16.8522, 8.6744



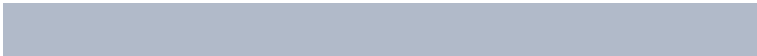
12.7891, 16.8522, 12.1481

Sweetspot

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



16.3621, 16.8528, 33.4012



46.4210, 48.8797, 62.5244



20.0968, 27.2915, 25.4928



10.3173, 10.8623, 14.1232



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.3621, 16.8528, 33.4012



25.0918, 25.3092, 59.0990



14.7455, 12.4720, 32.6408



6.0648, 6.3870, 7.8421



6.0068, 4.4103, 25.4424



0.1229, 0.1322, 0.3914

Inverse Universe

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



20.3536, 15.6891, 18.1759



33.4591, 23.5834, 27.0226



25.7385, 30.4508, 14.4191



6.2998, 6.2591, 6.9590



11.4907, 5.8505, 3.8431



0.1885, 0.0942, 0.1455

Previews

White Background



This preview shows how the XYZ color 16.3615, 16.8522, 33.4008 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 16.3615, 16.8522, 33.4008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

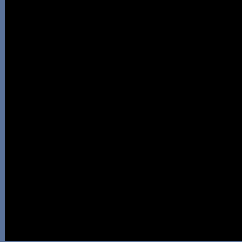
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

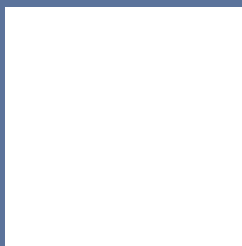
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3615, 16.8522, 33.4008

Background



This preview shows how black text looks on a background with the XYZ color 16.3615, 16.8522, 33.4008.

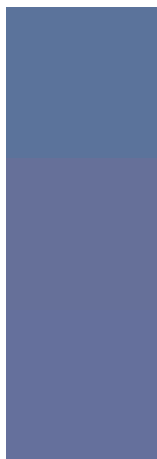


This preview shows how white text looks on a background with the XYZ color 16.3615, 16.8522,

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

16.3615, 16.8522, 33.4008

Protanopia

17.0234, 16.7130, 32.4657

Deuteranopia

17.1617, 16.7553, 33.7821



Tritanopia

14.3351, 16.9027, 23.2759

Trichromacy



Original Color

16.3615, 16.8522, 33.4008

Protanomaly

16.7749, 16.7400, 32.9189

Deuteranomaly

16.8356, 16.7519, 33.7986

Tritanomaly

14.9964, 16.8181, 26.5006

Monochromacy



Original Color

16.3615, 16.8522, 33.4008

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5103, 16.3118, 22.7531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3615, 16.8522, 33.4008 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(91, 115, 155)` looks like.

```
.text, #text, p{  
    color:rgb(91, 115, 155)  
}
```

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(91, 115, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 115, 155) }
```

Border

The CSS property to change the border of an element to XYZ 16.3615, 16.8522, 33.4008 is called "border". The border property can be set on classes, ids or directly on the HTML element.

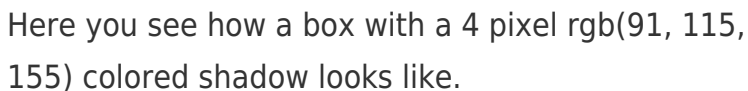
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 115, 155) }
```


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

```
.border{ border-color:rgb(91, 115, 155) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 115, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 115, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 115, 155); box-shadow:4px 4px 4px 4px rgb(91, 115, 155) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3615, 16.8522, 33.4008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 115, 155) }
```

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

```
.background{ background-color: rgb(91, 115,  
155) }
```

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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