

Converting Colors

XYZ(16.6744, 16.4219, 33.8930)

Have a look what the booklet for
XYZ(16.6744, 16.4219, 33.8930)
contains.

XYZ(16.7247, 16.5300, 33.7616)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.7247, 16.5300,
33.7616)**

Conversions

Conversions Part 1

Format	Color
Hex	61709C
RGB	97, 112, 156
RGB Percent	38%, 44%, 61%
CMY	0.6196, 0.5608, 0.3882
CMYK	0.38, 0.28, 0.00, 0.39
HSL	225°, 23%, 50%
HSV	225°, 38%, 61%
XYZ	16.7247, 16.5300, 33.7616
YIQ	112.5310, -23.0640, 10.5040

Conversions

Conversions Part 2

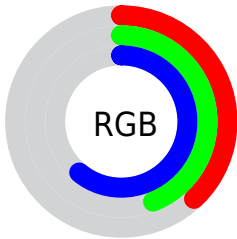
Format	Color
R_{YB}	97, 109, 156
Decimal	6385820
CIE _{Lab}	47.66, 5.78, -25.61
CIE _{LCh}	48, 26.250, 282.715
Yxy	16.5300, 0.2496, 0.2467
Android (android.graphics.Color)	4284575900 (0xFF61709C)
YUV	112.5310, 21.4302, -13.6207
Hunter-Lab	40.6571, 2.2778, -20.7744

Details

The XYZ color **16.7247, 16.5300, 33.7616** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.3934, 26.9814, 15.1795**, and the grayscale version is **15.5014, 16.3087, 17.7602**.

A 20% lighter version of the original color is **37.4278, 37.6436, 66.9213**, and **5.5555, 5.2911, 14.0931** is the 20% darker color. If you saturate the color by 10%, you get **14.0213, 13.3526, 33.2911**, and if you desaturate by 10%, it is **19.9220, 20.2090, 34.3035**.

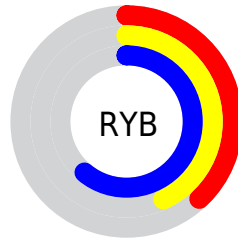
Distribution



Red (38%)

Green (44%)

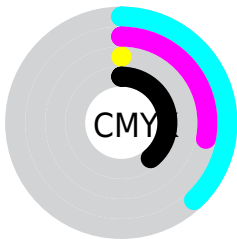
Blue (61%)



Red (38%)

Yellow (43%)

Blue (61%)

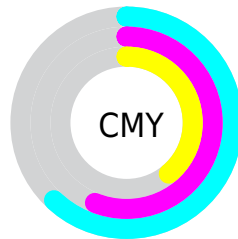


Cyan (38%)

Magenta (28%)

Yellow (0%)

Black (39%)



Cyan (62%)

Magenta (56%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7247, 16.5300, 33.7616 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 16.7247, 16.5300, 33.7616 by changing the saturation by 10% instead.

■ 16.7247, 16.5300,
33.7616

■ 16.7247, 16.5300,
33.7616

226.7682,
232.4491, 333.8044

■ 10.1325, 9.9000,
22.4346

■ 37.3992, 37.5159,
66.6924

■ 5.5498, 5.3327,
13.9752

■ 52.2122, 52.6405,
89.1334

■ 2.6114, 2.4438,
7.9649

■ 70.4962, 71.3655,
116.1160

■ 0.9518, 0.8483,
3.9850

■ 92.6165, 94.0752,
148.0590

■ 0.0000, 0.0000,
1.6171

118.9385,
121.1540, 185.3807

■ 0.0000, 0.0000,
0.3030

149.8275,

■ 0.0000, 0.0000,

152.9864, 228.4999

0.0000

185.6490,
189.9566, 277.8349

■ 16.7247, 16.5300,
33.7616

■ 16.7247, 16.5300,
33.7616

■ 14.0213, 13.3526,
33.2911

■ 19.9220, 20.2090,
34.3035

■ 11.7846, 10.6523,
32.8878

■ 23.6352, 24.4087,
34.9184

■ 9.9871, 8.4053,
32.5488

■ 27.8869, 29.1495,
35.6094

■ 8.5977, 6.5850,
32.2707

■ 32.6979, 34.4503,
36.3790

■ 7.5808, 5.1615,
32.0495

■ 38.0878, 40.3288,
37.2296

■ 6.8784, 4.0922,
31.8801

■ 44.0754, 46.8020,
38.1634

■ 6.7482, 3.8951,
31.8489

■ 50.6784, 53.8862,
39.1828

■ 57.9140, 61.5972,
40.2898

■ 65.7986, 69.9500,
41.4865

Harmonies

Analogous

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



14.4093, 16.5300, 33.3579



16.7247, 16.5300, 33.7616



18.9726, 16.5300, 29.2507

Triad

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



16.7247, 16.5300, 33.7616



19.2624, 16.5300, 10.5831



11.7873, 16.5300, 14.4278

Complementary

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



16.7247, 16.5300, 33.7616



25.3934, 26.9814, 15.1795

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.



12.8469, 16.5300, 10.0802



16.7247, 16.5300, 33.7616



17.0894, 16.5300, 8.2698

Square

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



16.7247, 16.5300, 33.7616



20.5327, 16.5300, 15.3032



14.7396, 16.5300, 8.1121



11.7107, 16.5300, 20.9927

Rectangle

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



16.7247, 16.5300, 33.7616



20.0687, 16.5300, 24.5905



14.7396, 16.5300, 8.1121



12.0351, 16.5300, 12.7041

Sweetspot

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



16.7253, 16.5306, 33.7620



47.9133, 49.9044, 64.2339



21.5721, 28.2201, 29.2247



10.3300, 10.7439, 14.0997



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.



16.7253, 16.5306, 33.7620



26.3459, 25.2960, 60.6208



16.8023, 14.3148, 33.3302



6.4150, 6.6958, 8.3610



5.5829, 3.2573, 26.2417



0.1306, 0.1198, 0.4795

Inverse Universe

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



20.9101, 16.7878, 17.4681



35.1293, 26.2344, 26.3331



25.2420, 30.4118, 15.8497



6.6988, 6.6724, 7.2651



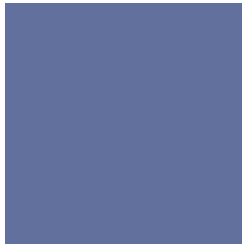
11.6162, 5.9510, 2.2299



0.2232, 0.1126, 0.1217

Previews

White Background



This preview shows how the XYZ color 16.7247, 16.5300, 33.7616 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 16.7247, 16.5300, 33.7616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

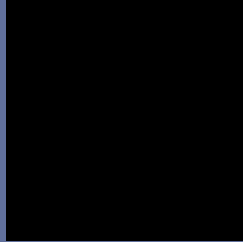
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

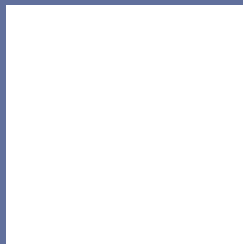
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7247, 16.5300, 33.7616

Background



This preview shows how black text looks on a background with the XYZ color 16.7247, 16.5300, 33.7616.



This preview shows how white text looks on a background with the XYZ color 16.7247, 16.5300,

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

16.7247, 16.5300, 33.7616

Protanopia

16.8564, 16.4448, 33.2961

Deuteranopia

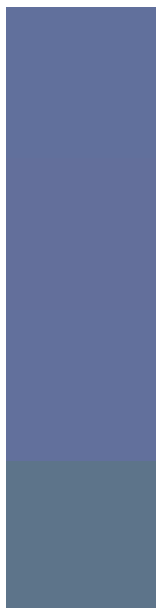
16.9405, 16.6413, 33.7717



Tritanopia

14.5256, 16.6628, 22.5293

Trichromacy



Original Color

16.7247, 16.5300, 33.7616

Protanomaly

16.7464, 16.3881, 33.2909

Deuteranomaly

16.8319, 16.5853, 33.7666

Tritanomaly

15.3470, 16.6529, 26.4502

Monochromacy



Original Color

16.7247, 16.5300, 33.7616

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.9310, 16.5210, 23.1181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7247, 16.5300, 33.7616 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(97, 112, 156) looks like.

```
.text, #text, p{  
    color:rgb(97, 112, 156)  
}
```

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(97, 112, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 112, 156) }
```

Border

The CSS property to change the border of an element to XYZ 16.7247, 16.5300, 33.7616 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(97, 112, 156) }
```


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

```
.border{ border-color:rgb(97, 112, 156) }
```

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

Here you see how a box with a 4 pixel rgb(97, 112, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 112, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 112, 156);  
box-shadow:4px 4px 4px 4px rgb(97, 112,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7247, 16.5300, 33.7616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 112, 156) }
```

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

```
.background{ background-color: rgb(97, 112,  
156) }
```

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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