

Converting Colors

XYZ(16.8456, 16.6477, 37.9363)

Have a look what the booklet for
XYZ(16.8456, 16.6477, 37.9363)
contains.

XYZ(16.8165, 16.6507, 37.9249)	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(16.8165, 16.6507,
37.9249)**

Conversions

Conversions Part 1

Format	Color
Hex	5971A5
RGB	89, 113, 165
RGB Percent	35%, 44%, 65%
CMY	0.6510, 0.5569, 0.3529
CMYK	0.46, 0.32, 0.00, 0.35
HSL	221°, 30%, 50%
HSV	221°, 46%, 65%
XYZ	16.8165, 16.6507, 37.9249
YIQ	111.7520, -30.9960, 11.0840

Conversions

Conversions Part 2

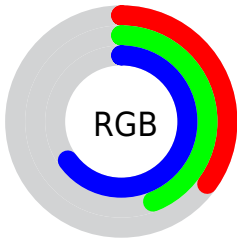
Format	Color
R_{YB}	89, 107, 165
Decimal	5861797
CIE _{Lab}	47.82, 5.62, -30.69
CIE _{LCh}	48, 31.200, 280.383
Yxy	16.6507, 0.2356, 0.2332
Android (android.graphics.Color)	4284051877 (0xFF5971A5)
YUV	111.7520, 26.2513, -19.9535
Hunter-Lab	40.8053, 2.1535, -26.5411

Details

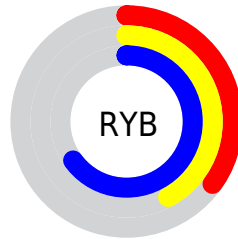
The XYZ color **16.8165, 16.6507, 37.9249** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.8458, 27.7713, 13.3975**, and the grayscale version is **15.2611, 16.0559, 17.4849**.

A 20% lighter version of the original color is **37.5287, 37.8284, 73.0338**, and **5.6220, 5.4460, 16.3777** is the 20% darker color. If you saturate the color by 10%, you get **14.2249, 13.5600, 37.4652**, and if you desaturate by 10%, it is **19.9209, 20.2390, 38.4542**.

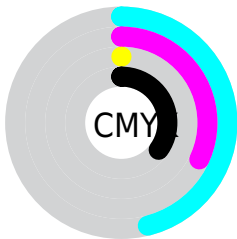
Distribution



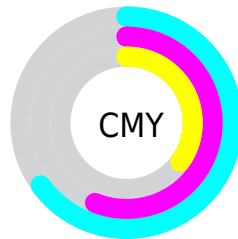
- Red (35%)
- Green (44%)
- Blue (65%)



- Red (35%)
- Yellow (42%)
- Blue (65%)



- Cyan (46%)
- Magenta (32%)
- Yellow (0%)
- Black (35%)



- Cyan (65%)
- Magenta (56%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8165, 16.6507, 37.9249 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 16.8165, 16.6507, 37.9249 by changing the saturation by 10% instead.

■ 16.8165, 16.6507,
37.9249

■ 16.8165, 16.6507,
37.9249

227.2896,
233.1513, 352.5862

■ 10.1982, 9.9858,
25.6230

■ 37.5561, 37.7242,
73.1952

■ 5.5939, 5.3895,
16.3186

■ 52.4082, 52.9016,
97.0006

■ 2.6380, 2.4776,
9.5931

■ 70.7356, 71.6852,
125.4777

■ 0.9654, 0.8654,
5.0280

■ 92.9036, 94.4596,
159.0449

■ 0.0000, 0.0000,
2.2046

119.2777,
121.6089, 198.1209

■ 0.0000, 0.0000,
0.6770

150.2231,

■ 0.0000, 0.0000,

153.5178, 243.1240

0.0000

186.1053,
190.5704, 294.4730

■ 16.8165, 16.6507,
37.9249

■ 16.8165, 16.6507,
37.9249

■ 14.2249, 13.5600,
37.4652

■ 19.9209, 20.2390,
38.4542

■ 12.1146, 10.9413,
37.0710

■ 23.5635, 24.3451,
39.0548

■ 10.4530, 8.7690,
36.7393

■ 27.7701, 28.9903,
39.7297

■ 9.2026, 7.0141,
36.4665

■ 32.5642, 34.1942,
40.4815

■ 8.3141, 5.6409,
36.2482

■ 37.9681, 39.9751,
41.3125

■ 8.0242, 5.1818,
36.1749

■ 44.0027, 46.3507,
42.2250

■ 50.6881, 53.3378,
43.2213

■ 58.0432, 60.9525,
44.3034

■ 66.0864, 69.2103,
45.4734

Harmonies

Analogous

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



14.0859, 16.6507, 36.8834



16.8165, 16.6507, 37.9249



19.5777, 16.6507, 32.5983

Triad

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



16.8165, 16.6507, 37.9249



20.2927, 16.6507, 9.8608



11.2760, 16.6507, 13.4291

Complementary

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



16.8165, 16.6507, 37.9249



26.8458, 27.7713, 13.3975

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.



12.5871, 16.6507, 8.7365



16.8165, 16.6507, 37.9249



17.7037, 16.6507, 7.1370

Square

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



16.8165, 16.6507, 37.9249



21.7360, 16.6507, 15.4899



14.8752, 16.6507, 6.7974



11.0979, 16.6507, 21.0538

Rectangle

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



16.8165, 16.6507, 37.9249



20.9844, 16.6507, 26.8699



14.8752, 16.6507, 6.7974



11.5908, 16.6507, 11.5260

Sweetspot

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



16.8171, 16.6513, 37.9253



51.2021, 53.5238, 71.3848



22.3783, 30.9557, 29.9695



10.8287, 11.3023, 15.5483



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.8171, 16.6513, 37.9253



25.4969, 24.3108, 67.1009



15.9505, 12.7418, 37.2164



6.8745, 7.2080, 8.9320



6.1109, 4.0012, 27.3800



0.1691, 0.1655, 0.5889

Inverse Universe

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



22.0706, 16.3371, 17.6134



36.2831, 24.4732, 25.2167



28.0337, 34.2177, 14.5791



7.1616, 7.1211, 7.8376



12.2300, 6.2480, 3.1356



0.2775, 0.1395, 0.1742

Previews

White Background



This preview shows how the XYZ color 16.8165, 16.6507, 37.9249 looks on a white background.

Color Contrast Check

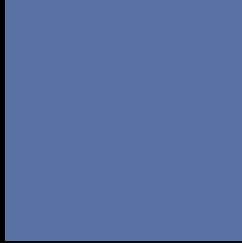
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8165, 16.6507, 37.9249 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

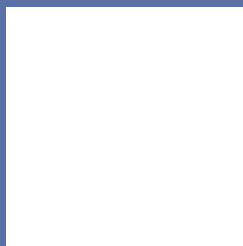
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8165, 16.6507, 37.9249

Background



This preview shows how black text looks on a background with the XYZ color 16.8165, 16.6507, 37.9249.

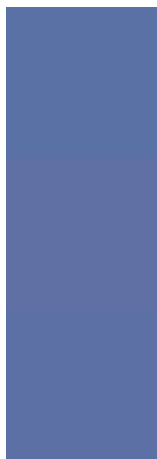


This preview shows how white text looks on a background with the XYZ color 16.8165, 16.6507,

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

16.8165, 16.6507, 37.9249

Protanopia

17.2091, 16.5360, 37.4067

Deuteranopia

16.9993, 16.5803, 37.9017



Tritanopia

13.9702, 16.7069, 23.6075

Trichromacy



Original Color

16.8165, 16.6507, 37.9249

Protanomaly

17.0092, 16.5958, 37.4288

Deuteranomaly

16.9001, 16.5291, 37.8970

Tritanomaly

14.8865, 16.5447, 28.3955

Monochromacy



Original Color

16.8165, 16.6507, 37.9249

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5998, 16.1701, 23.7717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8165, 16.6507, 37.9249 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(89, 113, 165) looks like.

```
.text, #text, p{  
    color:rgb(89, 113, 165)  
}
```

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(89, 113, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 113, 165) }
```

Border

The CSS property to change the border of an element to XYZ 16.8165, 16.6507, 37.9249 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(89, 113, 165) }
```


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

```
.border{ border-color:rgb(89, 113, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 113, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 113, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 113, 165);  
box-shadow:4px 4px 4px 4px rgb(89, 113,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8165, 16.6507, 37.9249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 113, 165) }
```

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

```
.background{ background-color: rgb(89, 113,  
165) }
```

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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