

Converting Colors

XYZ(16.8241, 17.6348, 34.4561)

Have a look what the booklet for
XYZ(16.8241, 17.6348, 34.4561)
contains.

XYZ(16.7807, 17.5648, 34.4042)	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(16.7807, 17.5648,
34.4042)**

Conversions

Conversions Part 1

Format	Color
Hex	5A769D
RGB	90, 118, 157
RGB Percent	35%, 46%, 62%
CMY	0.6470, 0.5372, 0.3843
CMYK	0.43, 0.25, 0.00, 0.38
HSL	215°, 27%, 48%
HSV	215°, 43%, 62%
XYZ	16.7807, 17.5648, 34.4042
YIQ	114.0740, -29.2070, 6.1930

Conversions

Conversions Part 2

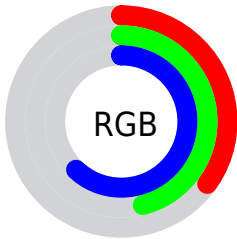
Format	Color
R _{YB}	90, 110, 157
Decimal	5928605
CIE Lab	48.96, 0.48, -24.22
CIE LCh	49, 24.220, 271.134
Yxy	17.5648, 0.2441, 0.2555
Android (android.graphics.Color)	4284118685 (0xFF5A769D)
YUV	114.0740, 21.1625, -21.1129
Hunter-Lab	41.9104, -1.8727, -19.3339

Details

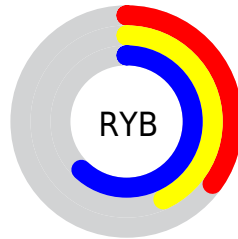
The XYZ color **16.7807, 17.5648, 34.4042** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **23.6010, 23.6076, 12.9864**, and the grayscale version is **15.9617, 16.7929, 18.2875**.

A 20% lighter version of the original color is **37.5861, 39.3426, 67.9002**, and **5.5910, 5.8330, 14.4669** is the 20% darker color. If you saturate the color by 10%, you get **14.3873, 14.8103, 33.9990**, and if you desaturate by 10%, it is **19.6021, 20.6955, 34.8601**.

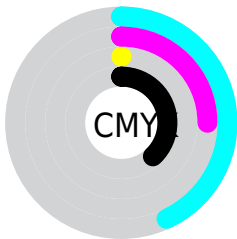
Distribution



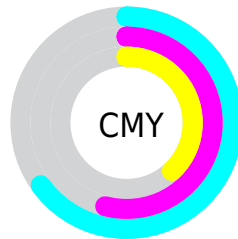
- Red (35%)
- Green (46%)
- Blue (62%)



- Red (35%)
- Yellow (43%)
- Blue (62%)



- Cyan (43%)
- Magenta (25%)
- Yellow (0%)
- Black (38%)



- Cyan (65%)
- Magenta (54%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7807, 17.5648, 34.4042 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 16.7807, 17.5648, 34.4042 by changing the saturation by 10% instead.

■ 16.7807, 17.5648,
34.4042

■ 16.7807, 17.5648,
34.4042

227.0864,
238.4065, 336.7546

■ 10.1726, 10.6380,
22.9244

■ 37.4949, 39.2943,
67.7028

■ 5.5767, 5.8240,
14.3329

■ 52.3318, 54.8659,
90.3587

■ 2.6276, 2.7383,
8.2112

■ 70.6423, 74.0878,
117.5771

■ 0.9601, 0.9967,
4.1407

■ 92.7917, 97.3444,
149.7764

■ 0.0000, 0.0000,
1.7028

119.1455,
125.0202, 187.3753

■ 0.0000, 0.0000,
0.3627

150.0690,

■ 0.0000, 0.0000,

157.4996, 230.7923

0.0000

185.9275,
195.1668, 280.4459

■ 16.7807, 17.5648,
34.4042

■ 16.7807, 17.5648,
34.4042

■ 14.3873, 14.8103,
33.9990

■ 19.6021, 20.6955,
34.8601

■ 12.3968, 12.4135,
33.6413

■ 22.8713, 24.2157,
35.3673

■ 10.7838, 10.3572,
33.3294

■ 26.6089, 28.1405,
35.9278

■ 9.5189, 8.6215,
33.0610

■ 30.8336, 32.4833,
36.5434

■ 8.5679, 7.1835,
32.8336

■ 35.5630, 37.2571,
37.2156

■ 8.0114, 6.2855,
32.6896

■ 40.8140, 42.4740,
37.9458

■ 46.6024, 48.1460,
38.7355

■ 52.9435, 54.2842,
39.5861

■ 59.8519, 60.8996,
40.4989

Harmonies

Analogous

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



14.6896, 17.5648, 32.1776



16.7807, 17.5648, 34.4042



19.0363, 17.5648, 31.8315

Triad

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



16.7807, 17.5648, 34.4042



20.6842, 17.5648, 13.4008



13.1812, 17.5648, 13.7391

Complementary

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



16.7807, 17.5648, 34.4042



23.6010, 23.6076, 12.9864

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.



14.5537, 17.5648, 10.3498



16.7807, 17.5648, 34.4042



18.8747, 17.5648, 10.1876

Square

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



16.7807, 17.5648, 34.4042



21.4113, 17.5648, 18.8806



16.6092, 17.5648, 9.2094



12.7274, 17.5648, 19.3717

Rectangle

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



16.7807, 17.5648, 34.4042



20.3001, 17.5648, 28.0144



16.6092, 17.5648, 9.2094



13.5439, 17.5648, 12.3485

Sweetspot

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



16.7813, 17.5655, 34.4046



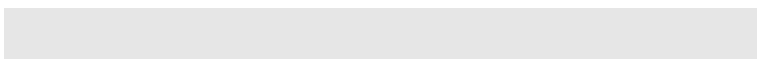
47.2438, 49.9706, 64.2820



20.1681, 27.8457, 24.7230



10.0772, 10.6638, 14.0976



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.



16.7813, 17.5655, 34.4046



26.0386, 26.8435, 60.9357



14.4068, 12.1519, 33.4848



6.5011, 6.8680, 8.3897



6.5417, 5.1750, 26.5613



0.1578, 0.1742, 0.4885

Inverse Universe

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



20.8313, 15.7891, 19.0898



34.4464, 23.9405, 28.9666



26.9518, 31.5795, 14.3486



6.7423, 6.6898, 7.4940



12.1002, 6.1446, 4.7785



0.2370, 0.1181, 0.1939

Previews

White Background



This preview shows how the XYZ color 16.7807, 17.5648, 34.4042 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 16.7807, 17.5648, 34.4042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

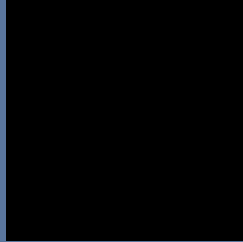
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

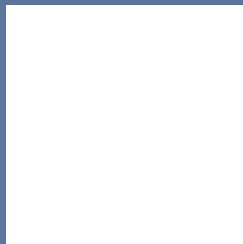
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7807, 17.5648, 34.4042

Background



This preview shows how black text looks on a background with the XYZ color 16.7807, 17.5648, 34.4042.

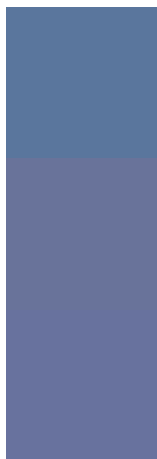


This preview shows how white text looks on a background with the XYZ color 16.7807, 17.5648,

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

16.7807, 17.5648, 34.4042

Protanopia

17.7892, 17.5978, 33.0310

Deuteranopia

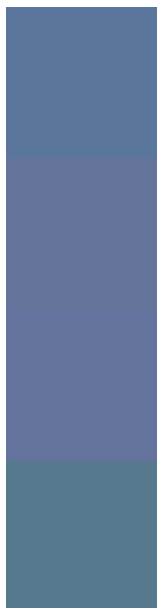
17.8978, 17.4463, 34.7719



Tritanopia

14.8151, 17.6709, 24.4598

Trichromacy



Original Color

16.7807, 17.5648, 34.4042

Protanomaly

17.4173, 17.5667, 33.4831

Deuteranomaly

17.4479, 17.3827, 34.7834

Tritanomaly

15.4828, 17.5763, 27.7758

Monochromacy



Original Color

16.7807, 17.5648, 34.4042

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.9857, 16.8764, 23.5340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7807, 17.5648, 34.4042 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(90, 118, 157)` looks like.

```
.text, #text, p{  
    color:rgb(90, 118, 157)  
}
```

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(90, 118, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 118, 157) }
```

Border

The CSS property to change the border of an element to XYZ 16.7807, 17.5648, 34.4042 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(90, 118, 157) }
```


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

```
.border{ border-color:rgb(90, 118, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 118, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 118, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 118, 157);  
box-shadow:4px 4px 4px 4px rgb(90, 118,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7807, 17.5648, 34.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 118, 157) }
```

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

```
.background{ background-color: rgb(90, 118,  
157) }
```

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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