

Converting Colors

XYZ(16.7858, 16.0585, 34.5627)

Have a look what the booklet for
XYZ(16.7858, 16.0585, 34.5627)
contains.

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Color

**XYZ(16.7858, 16.0585,
34.5627)**

Conversions

Conversions Part 1

Format	Color
Hex	636D9E
RGB	99, 109, 158
RGB Percent	39%, 43%, 62%
CMY	0.6118, 0.5725, 0.3804
CMYK	0.37, 0.31, 0.00, 0.38
HSL	230°, 23%, 50%
HSV	230°, 37%, 62%
XYZ	16.7858, 16.0585, 34.5627
YIQ	111.5960, -21.6890, 13.1190

Conversions

Conversions Part 2

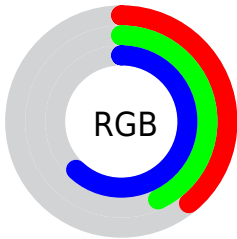
Format	Color
R_{YB}	99, 108, 158
Decimal	6516126
CIE _{Lab}	47.05, 8.75, -27.72
CIE _{LCh}	47, 29.071, 287.522
Yxy	16.0585, 0.2490, 0.2382
Android (android.graphics.Color)	4284706206 (0xFF636D9E)
YUV	111.5960, 22.8772, -11.0467
Hunter-Lab	40.0731, 4.6422, -23.0860

Details

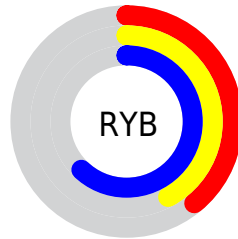
The XYZ color **16.7858, 16.0585, 34.5627** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.9432, 29.3505, 16.0503**, and the grayscale version is **15.2232, 16.0160, 17.4414**.

A 20% lighter version of the original color is **37.5299, 36.6211, 68.0413**, and **5.5908, 5.1388, 14.3329** is the 20% darker color. If you saturate the color by 10%, you get **13.9287, 12.6606, 34.0577**, and if you desaturate by 10%, it is **20.1908, 20.0497, 35.1539**.

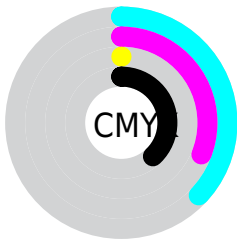
Distribution



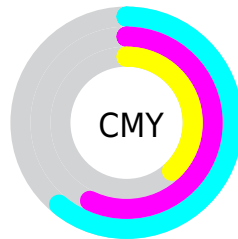
- Red (39%)
- Green (43%)
- Blue (62%)



- Red (39%)
- Yellow (42%)
- Blue (62%)



- Cyan (37%)
- Magenta (31%)
- Yellow (0%)
- Black (38%)



- Cyan (61%)
- Magenta (57%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7858, 16.0585, 34.5627 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 16.7858, 16.0585, 34.5627 by changing the saturation by 10% instead.

■ 16.7858, 16.0585,
34.5627

■ 16.7858, 16.0585,
34.5627

227.1154,
229.6867, 337.4793

■ 10.1762, 9.5656,
23.0454

■ 37.5037, 36.6997,
67.9516

■ 5.5791, 5.1119,
14.4214

■ 52.3427, 51.6168,
90.6603

■ 2.6291, 2.3131,
8.2722

■ 70.6556, 70.1107,
117.9365

■ 0.9608, 0.7806,
4.1794

■ 92.8077, 92.5659,
150.1988

■ 0.0000, 0.0000,
1.7243

119.1643,
119.3667, 187.8656

■ 0.0000, 0.0000,
0.3773

150.0909,

■ 0.0000, 0.0000,

150.8974, 231.3557

0.0000

185.9528,
187.5427, 281.0874

■ 16.7858, 16.0585,
34.5627

■ 16.7858, 16.0585,
34.5627

■ 13.9287, 12.6606,
34.0577

■ 20.1908, 20.0497,
35.1539

■ 11.5888, 9.8256,
33.6338

■ 24.1687, 24.6591,
35.8340

■ 9.7348, 7.5230,
33.2871

■ 28.7453, 29.9123,
36.6067

■ 8.3314, 5.7184,
33.0128

■ 33.9441, 35.8331,
37.4755

■ 7.3383, 4.3736,
32.8055

■ 39.7873, 42.4437,
38.4435

■ 6.6953, 3.4379,
32.6588

■ 46.2962, 49.7656,
39.5138

■ 6.5585, 3.2423,
32.6283

■ 53.4908, 57.8193,
40.6891

■ 61.3906, 66.6244,
41.9723

■ 70.0140, 76.1997,
43.3660

Harmonies

Analogous

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



14.2291, 16.0585, 35.0685



16.7858, 16.0585, 34.5627



19.1681, 16.0585, 28.7714

Triad

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



16.7858, 16.0585, 34.5627



18.8154, 16.0585, 9.0455



10.9629, 16.0585, 14.6260

Complementary

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



16.7858, 16.0585, 34.5627



26.9432, 29.3505, 16.0503

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.



11.9282, 16.0585, 9.6199



16.7858, 16.0585, 34.5627



16.3460, 16.0585, 7.0537

Square

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



16.7858, 16.0585, 34.5627



20.4265, 16.0585, 13.5925



13.8354, 16.0585, 7.2296



11.0526, 16.0585, 22.0575

Rectangle

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



16.7858, 16.0585, 34.5627



20.2511, 16.0585, 23.4150



13.8354, 16.0585, 7.2296



11.1698, 16.0585, 12.6516

Sweetspot

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



16.7864, 16.0591, 34.5631



48.8488, 50.4822, 65.9129



22.6539, 29.2192, 32.1256



10.7744, 11.1075, 14.8197



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.7864, 16.0591, 34.5631



25.9924, 23.8280, 61.9728



18.0623, 15.2225, 34.3343



6.3711, 6.6080, 8.3464



5.2736, 2.6387, 26.1386



0.1165, 0.0916, 0.4748

Inverse Universe

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



21.3232, 17.2976, 16.6834



35.5652, 26.7402, 24.1797



25.1799, 30.8713, 16.4368



6.6767, 6.6636, 7.1484



11.4601, 5.8886, 1.4078



0.2161, 0.1098, 0.0843

Previews

White Background



This preview shows how the XYZ color 16.7858, 16.0585, 34.5627 looks on a white background.

Color Contrast Check

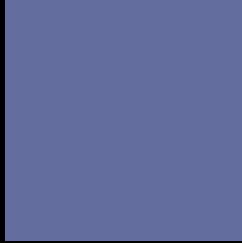
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7858, 16.0585, 34.5627 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

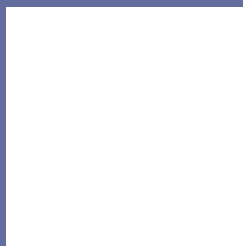
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7858, 16.0585, 34.5627

Background



This preview shows how black text looks on a background with the XYZ color 16.7858, 16.0585, 34.5627.



This preview shows how white text looks on a background with the XYZ color 16.7858, 16.0585,

34.5627.

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

16.7858, 16.0585, 34.5627

Protanopia

16.6578, 16.1419, 35.0386

Deuteranopia

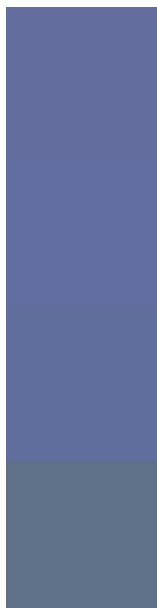
16.3636, 16.0002, 34.5736



Tritanopia

14.1468, 15.9663, 21.7382

Trichromacy



Original Color

16.7858, 16.0585, 34.5627

Protanomaly

16.7637, 16.1965, 35.0436

Deuteranomaly

16.5714, 16.1073, 34.5834

Tritanomaly

15.0366, 15.9961, 25.9620

Monochromacy



Original Color

16.7858, 16.0585, 34.5627

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.7103, 16.0797, 23.0445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7858, 16.0585, 34.5627 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(99, 109, 158) looks like.

```
.text, #text, p{  
    color:rgb(99, 109, 158)  
}
```

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(99, 109, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 109, 158) }
```

Border

The CSS property to change the border of an element to XYZ 16.7858, 16.0585, 34.5627 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(99, 109, 158) }
```


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

```
.border{ border-color:rgb(99, 109, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 109, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 109, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 109, 158);  
box-shadow:4px 4px 4px 4px rgb(99, 109,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7858, 16.0585, 34.5627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 109, 158) }
```

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

```
.background{ background-color: rgb(99, 109,  
158) }
```

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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