

Converting Colors

XYZ(18.3608, 18.0236, 34.8589)

Have a look what the booklet for
XYZ(18.3608, 18.0236, 34.8589)
contains.

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Color

**XYZ(18.3608, 18.0236,
34.8589)**

Conversions

Conversions Part 1

Format	Color
Hex	6A749E
RGB	106, 116, 158
RGB Percent	42%, 45%, 62%
CMY	0.5843, 0.5451, 0.3804
CMYK	0.33, 0.27, 0.00, 0.38
HSL	228°, 21%, 52%
HSV	228°, 33%, 62%
XYZ	18.3608, 18.0236, 34.8589
YIQ	117.7980, -19.4420, 10.9420

Conversions

Conversions Part 2

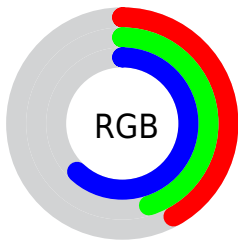
Format	Color
R_{YB}	106, 114, 158
Decimal	6976670
CIE Lab	49.52, 6.60, -23.85
CIE LCh	50, 24.743, 285.479
Yxy	18.0236, 0.2577, 0.2530
Android (android.graphics.Color)	4285166750 (0xFF6A749E)
YUV	117.7980, 19.8196, -10.3468
Hunter-Lab	42.4542, 2.9037, -18.9647

Details

The XYZ color **18.3608, 18.0236, 34.8589** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.2923, 29.4897, 17.8899**, and the grayscale version is **17.1016, 17.9922, 19.5936**.

A 20% lighter version of the original color is **40.3109, 40.1803, 68.5817**, and **6.2995, 6.0156, 14.4648** is the 20% darker color. If you saturate the color by 10%, you get **15.2820, 14.4010, 34.3222**, and if you desaturate by 10%, it is **21.9889, 22.2302, 35.4799**.

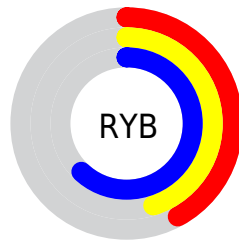
Distribution



Red (42%)

Green (45%)

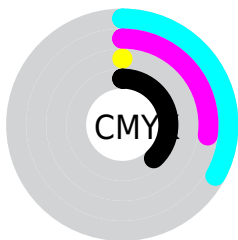
Blue (62%)



Red (42%)

Yellow (45%)

Blue (62%)

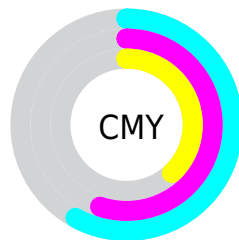


Cyan (33%)

Magenta (27%)

Yellow (0%)

Black (38%)



Cyan (58%)

Magenta (55%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3608, 18.0236, 34.8589 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 18.3608, 18.0236, 34.8589 by changing the saturation by 10% instead.

■ 18.3608, 18.0236,
34.8589

■ 18.3608, 18.0236,
34.8589

235.9034,
241.0040, 338.8304

■ 11.3106, 10.9669,
23.2715

■ 40.1764, 40.0775,
68.4162

■ 6.3450, 6.0446,
14.5869

■ 55.6726, 55.8436,
91.2232

■ 3.0986, 2.8722,
8.3866

■ 74.7148, 75.2816,
118.6072

■ 1.2061, 1.0654,
4.2520

■ 97.6683, 98.7759,
150.9867

■ 0.1112, 0.0000,
1.7646

124.8986,
126.7109, 188.7802

■ 0.0000, 0.0000,
0.4044

156.7709,

■ 0.0000, 0.0000,

159.4710, 232.4063

0.0000

193.6507,
197.4405, 282.2835

■ 18.3608, 18.0236,
34.8589

■ 18.3608, 18.0236,
34.8589

■ 15.2820, 14.4010,
34.3222

■ 21.9889, 22.2302,
35.4799

■ 12.7235, 11.3340,
33.8651

■ 26.1897, 27.0431,
36.1875

■ 10.6562, 8.7952,
33.4840

■ 30.9875, 32.4861,
36.9853

■ 9.0474, 6.7536,
33.1748

■ 36.4048, 38.5811,
37.8762

■ 7.8604, 5.1751,
32.9326

■ 42.4626, 45.3489,
38.8632

■ 7.0522, 4.0209,
32.7524

■ 49.1812, 52.8093,
39.9491

■ 6.6457, 3.4169,
32.6573

■ 56.5798, 60.9814,
41.1365

■ 64.6769, 69.8834,
42.4280

■ 73.4904, 79.5330,
43.8261

Harmonies

Analogous

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



16.0266, 18.0236, 34.9408



18.3608, 18.0236, 34.8589



20.5457, 18.0236, 30.1254

Triad

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



18.3608, 18.0236, 34.8589



20.4857, 18.0236, 11.7919



13.1315, 18.0236, 16.5658

Complementary

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



18.3608, 18.0236, 34.8589



27.2923, 29.4897, 17.8899

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.



14.1171, 18.0236, 11.9008



18.3608, 18.0236, 34.8589



18.2848, 18.0236, 9.6016

Square

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



18.3608, 18.0236, 34.8589



21.8466, 18.0236, 16.3806



15.9572, 18.0236, 9.6363



13.1479, 18.0236, 23.2710

Rectangle

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



18.3608, 18.0236, 34.8589



21.5623, 18.0236, 25.4774



15.9572, 18.0236, 9.6363



13.3524, 18.0236, 14.7448

Sweetspot

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



18.3614, 18.0243, 34.8593



49.8165, 51.6784, 66.0928



23.4848, 29.6437, 32.3357



10.9806, 11.3660, 14.8588



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.



18.3614, 18.0243, 34.8593



29.4080, 28.1122, 62.6197



19.2956, 16.8857, 34.5903



6.3829, 6.6315, 8.3503



5.3454, 2.7824, 26.1626



0.1203, 0.0992, 0.4760

Inverse Universe

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



22.4075, 18.8387, 18.9790



37.9109, 30.0589, 29.1938



26.0529, 31.2809, 18.3010



6.6826, 6.6660, 7.1797



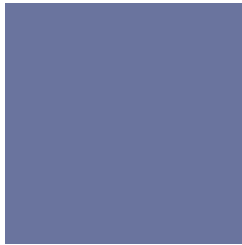
11.4963, 5.9031, 1.5987



0.2180, 0.1105, 0.0943

Previews

White Background



This preview shows how the XYZ color 18.3608, 18.0236, 34.8589 looks on a white background.

Color Contrast Check

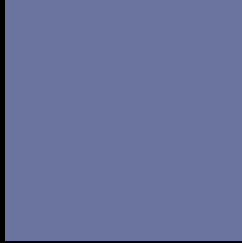
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3608, 18.0236, 34.8589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

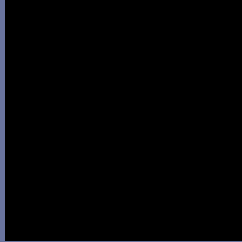
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.3608, 18.0236, 34.8589

Background



This preview shows how black text looks on a background with the XYZ color 18.3608, 18.0236, 34.8589.



This preview shows how white text looks on a background with the XYZ color 18.3608, 18.0236,

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

18.3608, 18.0236, 34.8589

Protanopia

18.3608, 18.0236, 34.8589

Deuteranopia

18.3608, 18.0236, 34.8589



Tritanopia

16.1896, 18.0228, 24.0982

Trichromacy



Original Color

18.3608, 18.0236, 34.8589

Protanomaly

18.3608, 18.0236, 34.8589

Deuteranomaly

18.3608, 18.0236, 34.8589

Tritanomaly

16.8840, 17.9415, 27.7725

Monochromacy



Original Color

18.3608, 18.0236, 34.8589

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5344, 17.9934, 24.7392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3608, 18.0236, 34.8589 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(106, 116, 158)` looks like.

```
.text, #text, p{  
    color:rgb(106, 116, 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(106, 116, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 116, 158) }
```

Border

The CSS property to change the border of an element to XYZ 18.3608, 18.0236, 34.8589 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(106, 116, 158) }
```


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

```
.border{ border-color:rgb(106, 116, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 116, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 116, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 116, 158);  
box-shadow:4px 4px 4px 4px rgb(106, 116,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3608, 18.0236, 34.8589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 116, 158) }
```

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

```
.background{ background-color: rgb(106,  
116, 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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