

Converting Colors

XYZ(16.4177, 15.4157, 41.8803)

Have a look what the booklet for
XYZ(16.4177, 15.4157, 41.8803)
contains.

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Color

**XYZ(16.3678, 15.3715,
41.6395)**

Conversions

Conversions Part 1

Format	Color
Hex	536BAD
RGB	83, 107, 173
RGB Percent	33%, 42%, 68%
CMY	0.6745, 0.5804, 0.3216
CMYK	0.52, 0.38, 0.00, 0.32
HSL	224°, 35%, 50%
HSV	224°, 52%, 68%
XYZ	16.3678, 15.3715, 41.6395
YIQ	107.3480, -35.4900, 15.4380

Conversions

Conversions Part 2

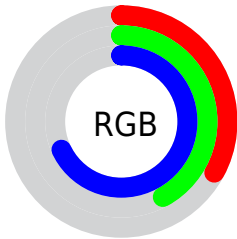
Format	Color
R_{YB}	83, 102, 173
Decimal	5467053
CIE _{Lab}	46.14, 10.34, -38.03
CIE _{LCh}	46, 39.414, 285.204
Yxy	15.3715, 0.2231, 0.2095
Android (android.graphics.Color)	4283657133 (0xFF536BAD)
YUV	107.3480, 32.3664, -21.3532
Hunter-Lab	39.2065, 5.9082, -35.5247

Details

The XYZ color **16.3678, 15.3715, 41.6395** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.5432, 31.0049, 12.6119**, and the grayscale version is **13.9922, 14.7209, 16.0310**.

A 20% lighter version of the original color is **36.8509, 35.5141, 79.0414**, and **5.3594, 4.7699, 18.4075** is the 20% darker color. If you saturate the color by 10%, you get **13.8005, 12.2266, 41.1681**, and if you desaturate by 10%, it is **19.5112, 19.1020, 42.1942**.

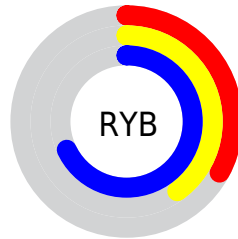
Distribution



Red (33%)

Green (42%)

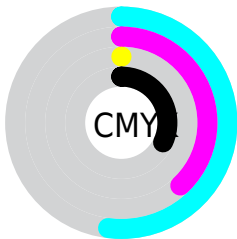
Blue (68%)



Red (33%)

Yellow (40%)

Blue (68%)

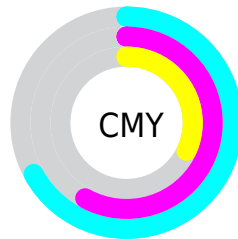


Cyan (52%)

Magenta (38%)

Yellow (0%)

Black (32%)



Cyan (67%)

Magenta (58%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3678, 15.3715, 41.6395 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 16.3678, 15.3715, 41.6395 by changing the saturation by 10% instead.

■ 16.3678, 15.3715,
41.6395

■ 16.3678, 15.3715,
41.6395

224.7303,
225.6039, 368.7418

■ 9.8773, 9.0805,
28.4957

■ 36.7879, 35.5036,
78.9179

■ 5.3793, 4.7937,
18.4573

■ 51.4481, 50.1135,
103.8896

■ 2.5085, 2.1268,
11.1060

■ 69.5624, 68.2652,
133.6409

■ 0.8996, 0.6796,
6.0231

■ 91.4959, 90.3430,
168.5905

■ 0.0000, 0.0000,
2.7901

117.6141,
116.7314, 209.1568

■ 0.0000, 0.0000,
0.9885

148.2823,

■ 0.0000, 0.0000,

147.8148, 255.7585

0.0000

183.8660,
183.9775, 308.8140

■ 16.3678, 15.3715,
41.6395

■ 16.3678, 15.3715,
41.6395

■ 13.8005, 12.2266,
41.1681

■ 19.5112, 19.1020,
42.1942

■ 11.7702, 9.6339,
40.7747

■ 23.2628, 23.4456,
42.8349

■ 10.2355, 7.5590,
40.4550

■ 27.6542, 28.4301,
43.5655

■ 9.1474, 5.9619,
40.2041

■ 32.7143, 34.0807,
44.3895

■ 8.5250, 4.9813,
40.0477

■ 38.4703, 40.4216,
45.3100

■ 44.9477, 47.4754,
46.3302

■ 52.1708, 55.2640,
47.4528

■ 60.1626, 63.8079,
48.6807

■ 68.9453, 73.1273,
50.0167

Harmonies

Analogous

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



13.0241, 15.3715, 41.7021



16.3678, 15.3715, 41.6395



19.6817, 15.3715, 33.4171

Triad

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



16.3678, 15.3715, 41.6395



19.6421, 15.3715, 6.7531



9.2193, 15.3715, 12.4489

Complementary

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



16.3678, 15.3715, 41.6395



29.5432, 31.0049, 12.6119

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.



10.4945, 15.3715, 6.8040



16.3678, 15.3715, 41.6395



16.3200, 15.3715, 4.4767

Square

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



16.3678, 15.3715, 41.6395



21.7600, 15.3715, 12.3449



12.9831, 15.3715, 4.4909



9.2280, 15.3715, 22.0638

Rectangle

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



16.3678, 15.3715, 41.6395



21.2824, 15.3715, 25.7406



12.9831, 15.3715, 4.4909



9.5023, 15.3715, 10.1238

Sweetspot

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



16.3684, 15.3720, 41.6399



54.5803, 56.5780, 78.8497



23.9363, 33.8966, 33.7156



11.4733, 11.8619, 17.0726



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.3684, 15.3720, 41.6399



24.2850, 21.3577, 73.6483



16.3458, 12.1476, 41.0187



7.7462, 8.0917, 10.1063



6.3041, 3.7420, 29.4345



0.2206, 0.1945, 0.8339

Inverse Universe

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



22.9812, 16.1330, 15.8131



37.6704, 23.8655, 21.1538



29.4544, 37.1875, 13.8100



8.0897, 8.0491, 8.7831



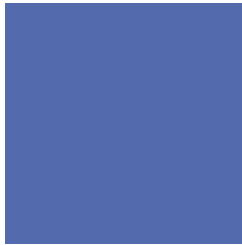
13.0456, 6.6808, 2.6199



0.3857, 0.1950, 0.1930

Previews

White Background



This preview shows how the XYZ color 16.3678, 15.3715, 41.6395 looks on a white background.

Color Contrast Check

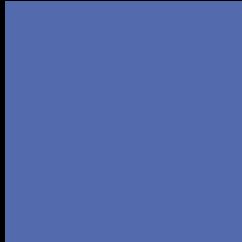
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3678, 15.3715, 41.6395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

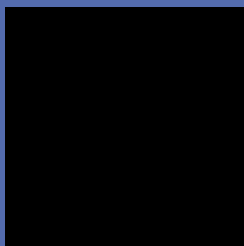
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

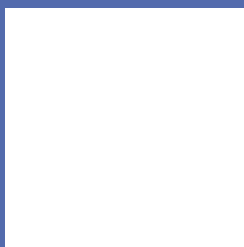
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3678, 15.3715, 41.6395

Background



This preview shows how black text looks on a background with the XYZ color 16.3678, 15.3715, 41.6395.



This preview shows how white text looks on a background with the XYZ color 16.3678, 15.3715,

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

16.3678, 15.3715, 41.6395

Protanopia

16.4567, 15.4173, 41.6436

Deuteranopia

15.8355, 15.4103, 41.6750



Tritanopia

12.4419, 15.4222, 22.0597

Trichromacy



Original Color

16.3678, 15.3715, 41.6395

Protanomaly

16.4567, 15.4173, 41.6436

Deuteranomaly

15.9660, 15.3200, 41.6507

Tritanomaly

13.6107, 15.2099, 28.2050

Monochromacy



Original Color

16.3678, 15.3715, 41.6395

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.3914, 14.7508, 23.5614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3678, 15.3715, 41.6395 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(83, 107, 173)` looks like.

```
.text, #text, p{  
    color:rgb(83, 107, 173)  
}
```

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(83, 107, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 107, 173) }
```

Border

The CSS property to change the border of an element to XYZ 16.3678, 15.3715, 41.6395 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(83, 107, 173) }
```


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

```
.border{ border-color:rgb(83, 107, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 107, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 107, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 107, 173);  
box-shadow:4px 4px 4px 4px rgb(83, 107,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3678, 15.3715, 41.6395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 107, 173) }
```

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

```
.background{ background-color: rgb(83, 107,  
173) }
```

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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