

Converting Colors

XYZ(18.4500, 15.6789, 58.3063)

Have a look what the booklet for
XYZ(18.4500, 15.6789, 58.3063)
contains.

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Color

**XYZ(18.4775, 15.6289,
58.5427)**

Conversions

Conversions Part 1

Format	Color
Hex	4968CB
RGB	73, 104, 203
RGB Percent	29%, 41%, 80%
CMY	0.7137, 0.5922, 0.2039
CMYK	0.64, 0.49, 0.00, 0.20
HSL	226°, 56%, 54%
HSV	226°, 64%, 80%
XYZ	18.4775, 15.6289, 58.5427
YIQ	106.0170, -50.2550, 24.2170

Conversions

Conversions Part 2

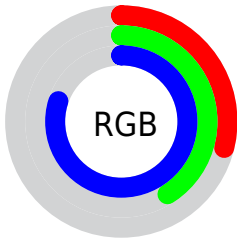
Format	Color
R_{YB}	73, 98, 203
Decimal	4810955
CIE _{Lab}	46.48, 20.32, -54.90
CIE _{LCh}	46, 58.540, 290.313
Yxy	15.6289, 0.1994, 0.1687
Android (android.graphics.Color)	4283001035 (0xFF4968CB)
YUV	106.0170, 47.8126, -28.9559
Hunter-Lab	39.5334, 14.2456, -60.1257

Details

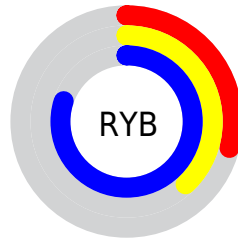
The XYZ color **18.4775, 15.6289, 58.5427** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **40.5856, 42.6857, 12.4048**, and the grayscale version is **13.5881, 14.2958, 15.5681**.

A 20% lighter version of the original color is **39.4442, 35.6492, 99.4098**, and **6.8584, 5.1642, 28.6523** is the 20% darker color. If you saturate the color by 10%, you get **15.7667, 12.1293, 58.0105**, and if you desaturate by 10%, it is **21.9768, 19.9587, 59.1944**.

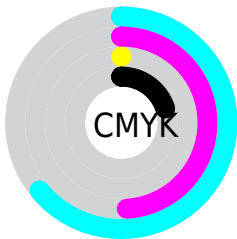
Distribution



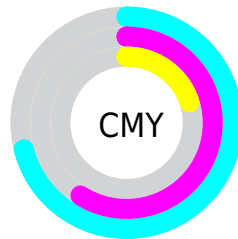
- Red (29%)
- Green (41%)
- Blue (80%)



- Red (29%)
- Yellow (38%)
- Blue (80%)



- Cyan (64%)
- Magenta (49%)
- Yellow (0%)
- Black (20%)



- Cyan (71%)
- Magenta (59%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4775, 15.6289, 58.5427 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 18.4775, 15.6289, 58.5427 by changing the saturation by 10% instead.

■ 18.4775, 15.6289,
58.5427

■ 18.4775, 15.6289,
58.5427

236.5428,
227.1419, 436.8597

■ 11.3951, 9.2619,
41.8275

■ 40.3730, 35.9527,
104.2353

■ 6.4025, 4.9124,
28.6417

■ 55.9169, 50.6784,
134.0498

■ 3.1343, 2.1960,
18.5667

■ 75.0120, 68.9591,
169.0678

■ 1.2252, 0.7178,
11.1840

■ 98.0236, 91.1792,
209.7079

■ 0.1261, 0.0000,
6.0750

125.3171,
117.7232, 256.3886

■ 0.0000, 0.0000,
2.8212

157.2579,

■ 0.0000, 0.0000,

148.9753, 309.5285

1.0041

194.2114,
185.3201, 369.5460

■ 0.0000, 0.0000,
0.0000

■ 18.4775, 15.6289,
58.5427

■ 18.4775, 15.6289,
58.5427

■ 15.7667, 12.1293,
58.0105

■ 21.9768, 19.9587,
59.1944

■ 13.7758, 9.4011,
57.5888

■ 26.3211, 25.1689,
59.9711

■ 12.4267, 7.3787,
57.2695

■ 31.5637, 31.3071,
60.8795

■ 11.8529, 6.4585,
57.1222

■ 37.7530, 38.4170,
61.9257

■ 44.9338, 46.5394,
63.1150

■ 53.1478, 55.7127,
64.4527

■ 62.4346, 65.9731,
65.9437

■ 72.8314, 77.3554,
67.5927

■ 84.1126, 89.7579,
69.3921

Harmonies

Analogous

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



13.2838, 15.6289, 61.6254



18.4775, 15.6289, 58.5427



23.6252, 15.6289, 41.5909

Triad

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



18.4775, 15.6289, 58.5427



21.9388, 15.6289, 3.3519



7.2062, 15.6289, 12.7631

Complementary

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



18.4775, 15.6289, 58.5427



40.5856, 42.6857, 12.4048

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.



8.5780, 15.6289, 4.7382



18.4775, 15.6289, 58.5427



16.5450, 15.6289, 1.7039

Square

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



18.4775, 15.6289, 58.5427



25.9163, 15.6289, 9.0894



11.7395, 15.6289, 2.0070



7.4967, 15.6289, 28.5783

Rectangle

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



18.4775, 15.6289, 58.5427



25.9687, 15.6289, 28.1779



11.7395, 15.6289, 2.0070



7.4738, 15.6289, 9.2781

Sweetspot

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



18.4782, 15.6294, 58.5431



68.7543, 70.6161, 104.6143



31.4076, 47.0502, 45.7061



13.9879, 14.2889, 22.2707



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



18.4782, 15.6294, 58.5431



24.9319, 18.3370, 96.8331



19.0479, 12.1119, 57.8342



10.8153, 11.2710, 14.1759



7.6027, 4.2293, 36.3719



0.4529, 0.3395, 1.8966

Inverse Universe

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



29.5105, 18.4622, 15.1051



45.3597, 25.3816, 15.9983



39.2453, 51.7954, 14.2338



11.3201, 11.2568, 12.2205



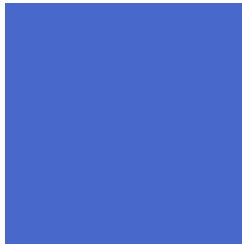
16.0484, 8.2299, 2.7075



0.8585, 0.4368, 0.3009

Previews

White Background



This preview shows how the XYZ color 18.4775, 15.6289, 58.5427 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 18.4775, 15.6289, 58.5427 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 18.4775, 15.6289, 58.5427

Background



This preview shows how black text looks on a background with the XYZ color 18.4775, 15.6289, 58.5427.



This preview shows how white text looks on a background with the XYZ color 18.4775, 15.6289,

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

18.4775, 15.6289, 58.5427

Protanopia

17.8608, 15.5857, 59.8246

Deuteranopia

15.8722, 15.6196, 55.0016



Tritanopia

11.4695, 15.5895, 23.8773

Trichromacy



Original Color

18.4775, 15.6289, 58.5427

Protanomaly

18.0006, 15.5195, 59.1736

Deuteranomaly

16.2294, 15.2938, 56.1294

Tritanomaly

13.3433, 15.2766, 34.1437

Monochromacy



Original Color

18.4775, 15.6289, 58.5427

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.4754, 14.4059, 27.2170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4775, 15.6289, 58.5427 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(73, 104, 203)` looks like.

```
.text, #text, p{  
    color:rgb(73, 104, 203)  
}
```

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(73, 104, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 104, 203) }
```

Border

The CSS property to change the border of an element to XYZ 18.4775, 15.6289, 58.5427 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(73, 104, 203) }
```


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

```
.border{ border-color:rgb(73, 104, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 104, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 104, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 104, 203);  
box-shadow:4px 4px 4px 4px rgb(73, 104,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4775, 15.6289, 58.5427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 104, 203) }
```

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

```
.background{ background-color: rgb(73, 104,  
203) }
```

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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