

Converting Colors

XYZ(18.0972, 15.8940, 56.2919)

Have a look what the booklet for
XYZ(18.0972, 15.8940, 56.2919)
contains.

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Color

**XYZ(18.0923, 15.9410,
56.1562)**

Conversions

Conversions Part 1

Format	Color
Hex	466BC7
RGB	70, 107, 199
RGB Percent	27%, 42%, 78%
CMY	0.7255, 0.5804, 0.2196
CMYK	0.65, 0.46, 0.00, 0.22
HSL	223°, 54%, 53%
HSV	223°, 65%, 78%
XYZ	18.0923, 15.9410, 56.1562
YIQ	106.4250, -51.5840, 20.7680

Conversions

Conversions Part 2

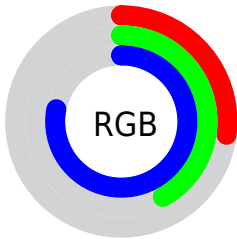
Format	Color
R_{YB}	70, 99, 199
Decimal	4615111
CIE Lab	46.90, 16.51, -51.95
CIE LCh	47, 54.508, 287.636
Yxy	15.9410, 0.2006, 0.1768
Android (android.graphics.Color)	4282805191 (0xFF466BC7)
YUV	106.4250, 45.6395, -31.9447
Hunter-Lab	39.9262, 11.0153, -55.4431

Details

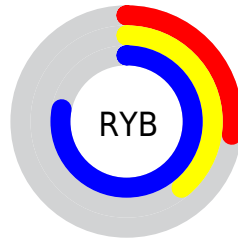
The XYZ color **18.0923, 15.9410, 56.1562** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **37.5807, 38.4277, 11.2322**, and the grayscale version is **13.7057, 14.4194, 15.7028**.

A 20% lighter version of the original color is **39.4828, 36.4195, 99.5564**, and **6.7028, 5.3511, 27.0651** is the 20% darker color. If you saturate the color by 10%, you get **15.5271, 12.5994, 55.6468**, and if you desaturate by 10%, it is **21.3773, 20.0145, 56.7697**.

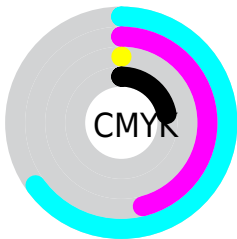
Distribution



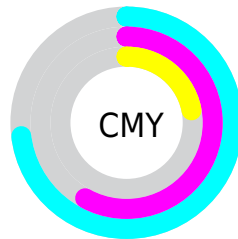
- Red (27%)
- Green (42%)
- Blue (78%)



- Red (27%)
- Yellow (39%)
- Blue (78%)



- Cyan (65%)
- Magenta (46%)
- Yellow (0%)
- Black (22%)



- Cyan (73%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0923, 15.9410, 56.1562 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 18.0923, 15.9410, 56.1562 by changing the saturation by 10% instead.

■ 18.0923, 15.9410,
56.1562

■ 18.0923, 15.9410,
56.1562

234.4263,
228.9933, 427.6847

■ 11.1164, 9.4824,
39.9233

■ 39.7234, 36.4957,
100.7210

■ 6.2130, 5.0572,
27.1654

■ 55.1093, 51.3607,
129.8900

■ 3.0169, 2.2808,
17.4640

■ 74.0291, 69.7966,
164.2081

■ 1.1627, 0.7635,
10.4004

■ 96.8484, 92.1877,
204.0940

■ 0.0766, 0.0000,
5.5562

■ 123.9324,
118.9186, 249.9660

■ 0.0000, 0.0000,
2.5128

155.6465,

■ 0.0000, 0.0000,

150.3735, 302.2428

0.8469

192.3560,
186.9370, 361.3428

■ 0.0000, 0.0000,
0.0000

■ 18.0923, 15.9410,
56.1562

■ 18.0923, 15.9410,
56.1562

■ 15.5271, 12.5994,
55.6468

■ 21.3773, 20.0145,
56.7697

■ 13.6186, 9.9393,
55.2339

■ 25.4334, 24.8623,
57.4916

■ 12.2952, 7.9046,
54.9109

■ 30.3094, 30.5251,
58.3277

■ 11.7755, 7.0568,
54.7747

■ 36.0493, 37.0401,
59.2827

■ 42.6938, 44.4421,
60.3612

■ 50.2810, 52.7637,
61.5675

■ 58.8467, 62.0361,
62.9058

■ 68.4249, 72.2887,
64.3800

■ 79.0477, 83.5499,
65.9937

Harmonies

Analogous

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



13.2776, 15.9410, 57.5302



18.0923, 15.9410, 56.1562



22.9568, 15.9410, 41.6416

Triad

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



18.0923, 15.9410, 56.1562



22.1816, 15.9410, 4.3114



7.8629, 15.9410, 12.3342

Complementary

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



18.0923, 15.9410, 56.1562



37.5807, 38.4277, 11.2322

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.



9.3524, 15.9410, 5.0196



18.0923, 15.9410, 56.1562



17.1938, 15.9410, 2.2891

Square

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



18.0923, 15.9410, 56.1562



25.6362, 15.9410, 10.5737



12.5479, 15.9410, 2.4544



8.0042, 15.9410, 26.5555

Rectangle

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



18.0923, 15.9410, 56.1562



25.2718, 15.9410, 29.3418



12.5479, 15.9410, 2.4544



8.1739, 15.9410, 9.1815

Sweetspot

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



18.0930, 15.9415, 56.1566



69.3667, 71.8408, 104.8184



29.3216, 44.6982, 40.4789



14.1339, 14.5808, 22.3194



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.



18.0930, 15.9415, 56.1566



25.6074, 19.9055, 97.1002



17.3030, 10.9811, 55.2408



10.3003, 10.7747, 13.4543



7.6375, 4.6689, 35.2430



0.4250, 0.3478, 1.6899

Inverse Universe

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



28.3979, 17.5850, 15.8077



45.6476, 25.2935, 18.1409



38.8076, 50.1967, 13.4392



10.7569, 10.6861, 11.7029



15.6544, 8.0113, 3.3898



0.7732, 0.3921, 0.3289

Previews

White Background



This preview shows how the XYZ color 18.0923, 15.9410, 56.1562 looks on a white background.

Color Contrast Check

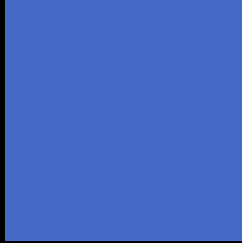
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0923, 15.9410, 56.1562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

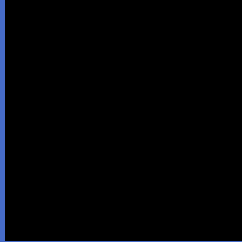
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0923, 15.9410, 56.1562

Background



This preview shows how black text looks on a background with the XYZ color 18.0923, 15.9410, 56.1562.



This preview shows how white text looks on a background with the XYZ color 18.0923, 15.9410,

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

18.0923, 15.9410, 56.1562

Protanopia

18.0347, 16.0535, 56.7917

Deuteranopia

16.4132, 15.8852, 55.6272



Tritanopia

11.6033, 15.8319, 24.2741

Trichromacy



Original Color

18.0923, 15.9410, 56.1562

Protanomaly

18.1026, 16.0885, 56.7949

Deuteranomaly

16.7238, 15.7213, 55.5792

Tritanomaly

13.3583, 15.6365, 33.7666

Monochromacy



Original Color

18.0923, 15.9410, 56.1562

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.4019, 14.5287, 26.8562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0923, 15.9410, 56.1562 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(70, 107, 199)` looks like.

```
.text, #text, p{  
    color:rgb(70, 107, 199)  
}
```

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(70, 107, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 107, 199) }
```

Border

The CSS property to change the border of an element to XYZ 18.0923, 15.9410, 56.1562 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(70, 107, 199) }
```


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

```
.border{ border-color:rgb(70, 107, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 107, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 107, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 107, 199);  
box-shadow:4px 4px 4px 4px rgb(70, 107,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0923, 15.9410, 56.1562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 107, 199) }
```

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

```
.background{ background-color: rgb(70, 107,  
199) }
```

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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