

Converting Colors

XYZ(19.4578, 15.4091, 58.4486)

Have a look what the booklet for
XYZ(19.4578, 15.4091, 58.4486)
contains.

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Color

**XYZ(19.4578, 15.4091,
58.4486)**

Conversions

Conversions Part 1

Format	Color
Hex	5A63CB
RGB	90, 99, 203
RGB Percent	35%, 39%, 80%
CMY	0.6470, 0.6118, 0.2039
CMYK	0.56, 0.51, 0.00, 0.20
HSL	235°, 52%, 57%
HSV	235°, 56%, 80%
XYZ	19.4578, 15.4091, 58.4486
YIQ	108.1650, -38.7480, 30.4360

Conversions

Conversions Part 2

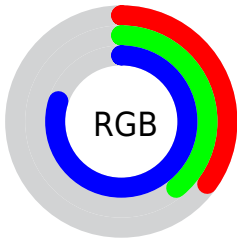
Format	Color
R_{YB}	90, 98, 203
Decimal	5923787
CIE _{Lab}	46.19, 26.62, -55.32
CIE _{LCh}	46, 61.393, 295.701
Yxy	15.4091, 0.2085, 0.1651
Android (android.graphics.Color)	4284113867 (0xFF5A63CB)
YUV	108.1650, 46.7537, -15.9307
Hunter-Lab	39.2544, 19.7844, -60.8028

Details

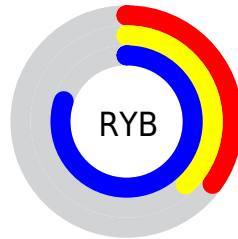
The XYZ color **19.4578, 15.4091, 58.4486** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted azure. A complement of this color would be **45.7676, 52.0211, 17.3031**, and the grayscale version is **14.1815, 14.9201, 16.2480**.

A 20% lighter version of the original color is **41.1691, 35.3286, 99.2570**, and **6.9069, 4.8330, 28.5858** is the 20% darker color. If you saturate the color by 10%, you get **16.1761, 11.3868, 57.8455**, and if you desaturate by 10%, it is **23.6895, 20.5292, 59.2142**.

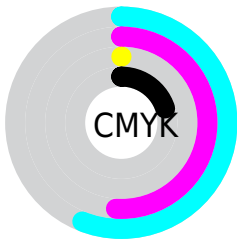
Distribution



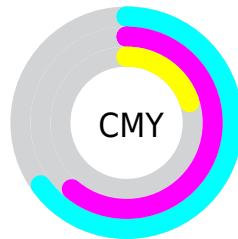
- Red (35%)
- Green (39%)
- Blue (80%)



- Red (35%)
- Yellow (38%)
- Blue (80%)



- Cyan (56%)
- Magenta (51%)
- Yellow (0%)
- Black (20%)



- Cyan (65%)
- Magenta (61%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4578, 15.4091, 58.4486 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 19.4578, 15.4091, 58.4486 by changing the saturation by 10% instead.

■ 19.4578, 15.4091,
58.4486

■ 19.4578, 15.4091,
58.4486

241.8544,
225.8292, 436.5003

■ 12.1075, 9.1070,
41.7523

■ 42.0172, 35.5693,
104.0971

■ 6.8897, 4.8110,
28.5833

■ 57.9570, 50.1962,
133.8863

■ 3.4389, 2.1368,
18.5229

■ 77.4906, 68.3667,
168.8770

■ 1.3899, 0.6852,
11.1528

■ 100.9835, 90.4654,
209.4876

■ 0.2490, 0.0000,
6.0542

128.8010,
116.8766, 256.1367

■ 0.0000, 0.0000,
2.8088

161.3084,

■ 0.0000, 0.0000,

147.9847, 309.2428

0.9978

198.8711,
184.1741, 369.2245

■ 0.0000, 0.0000,
0.0000

■ 19.4578, 15.4091,
58.4486

■ 19.4578, 15.4091,
58.4486

■ 16.1761, 11.3868,
57.8455

■ 23.6895, 20.5292,
59.2142

■ 13.7685, 8.3803,
57.3921

■ 28.9349, 26.8181,
60.1516

■ 12.1512, 6.2986,
57.0755

■ 35.2548, 34.3425,
61.2709

■ 11.2219, 5.0329,
56.8802

■ 42.7044, 43.1636,
62.5809

■ 10.9672, 4.6871,
56.8269

■ 51.3353, 53.3385,
64.0899

■ 61.1956, 64.9210,
65.8059

■ 72.3311, 77.9620,
67.7361

■ 84.7850, 92.5097,
69.8877

■ 87.7796, 97.0918,
70.6143

Harmonies

Analogous

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



13.9044, 15.4091, 65.0483



19.4578, 15.4091, 58.4486



24.6311, 15.4091, 38.8216

Triad

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



19.4578, 15.4091, 58.4486



21.0799, 15.4091, 2.4555



6.7285, 15.4091, 14.7090

Complementary

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



19.4578, 15.4091, 58.4486



45.7676, 52.0211, 17.3031

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.



7.8064, 15.4091, 5.2140



19.4578, 15.4091, 58.4486



15.4132, 15.4091, 1.3250

Square

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



19.4578, 15.4091, 58.4486



25.7134, 15.4091, 7.1261



10.7009, 15.4091, 1.9031



7.3209, 15.4091, 32.6367

Rectangle

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



19.4578, 15.4091, 58.4486



26.7214, 15.4091, 24.9499



10.7009, 15.4091, 1.9031



6.8986, 15.4091, 10.6191

Sweetspot

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



19.4585, 15.4096, 58.4490



69.4267, 69.8173, 104.4246



35.2641, 48.7625, 58.3480



14.2963, 14.2768, 22.2522



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.



19.4585, 15.4096, 58.4490



26.0639, 17.8004, 96.6698



24.7670, 16.9509, 58.4667



10.6723, 10.9851, 14.1282



7.0064, 3.0368, 36.1732



0.3869, 0.2077, 1.8746

Inverse Universe

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



30.5376, 20.9108, 14.2312



46.6148, 28.5011, 14.5379



36.8965, 50.5103, 17.4790



11.2480, 11.2279, 11.8404



15.7474, 8.1096, 1.1227



0.8253, 0.4235, 0.1257

Previews

White Background



This preview shows how the XYZ color 19.4578, 15.4091, 58.4486 looks on a white background.

Color Contrast Check

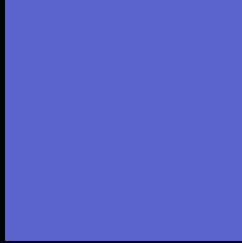
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4578, 15.4091, 58.4486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

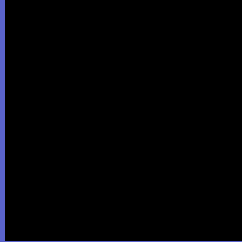
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4578, 15.4091, 58.4486

Background



This preview shows how black text looks on a background with the XYZ color 19.4578, 15.4091, 58.4486.



This preview shows how white text looks on a background with the XYZ color 19.4578, 15.4091,

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

19.4578, 15.4091, 58.4486

Protanopia

18.0535, 15.6142, 63.0351

Deuteranopia

15.6482, 15.3544, 54.3635



Tritanopia

12.2958, 15.5133, 22.4250

Trichromacy



Original Color

19.4578, 15.4091, 58.4486

Protanomaly

18.2271, 15.2955, 61.0231

Deuteranomaly

16.1937, 14.9622, 56.0673

Tritanomaly

14.2733, 15.1132, 33.1752

Monochromacy



Original Color

19.4578, 15.4091, 58.4486

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.3763, 14.8530, 28.0431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4578, 15.4091, 58.4486 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(90, 99, 203)` looks like.

```
.text, #text, p{  
    color:rgb(90, 99, 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(90, 99, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 99, 203) }
```

Border

The CSS property to change the border of an element to XYZ 19.4578, 15.4091, 58.4486 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(90, 99, 203) }
```


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

```
.border{ border-color:rgb(90, 99, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 99, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 99, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 99, 203);  
box-shadow:4px 4px 4px 4px rgb(90, 99,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4578, 15.4091, 58.4486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 99, 203) }
```

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

```
.background{ background-color: rgb(90, 99,  
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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