

Converting Colors

XYZ(18.3052, 15.7581, 55.5029)

Have a look what the booklet for
XYZ(18.3052, 15.7581, 55.5029)
contains.

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Color

**XYZ(18.3052, 15.7581,
55.5029)**

Conversions

Conversions Part 1

Format	Color
Hex	4D69C6
RGB	77, 105, 198
RGB Percent	30%, 41%, 78%
CMY	0.6980, 0.5882, 0.2235
CMYK	0.61, 0.47, 0.00, 0.22
HSL	226°, 51%, 54%
HSV	226°, 61%, 78%
XYZ	18.3052, 15.7581, 55.5029
YIQ	107.2300, -46.5410, 22.9870

Conversions

Conversions Part 2

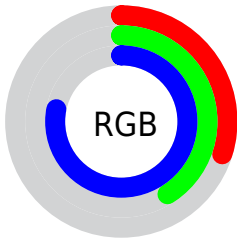
Format	Color
R_{YB}	77, 100, 198
Decimal	5073350
CIE _{Lab}	46.66, 18.68, -51.74
CIE _{LCh}	47, 55.007, 289.851
Yxy	15.7581, 0.2044, 0.1759
Android (android.graphics.Color)	4283263430 (0xFF4D69C6)
YUV	107.2300, 44.7496, -26.5117
Hunter-Lab	39.6965, 12.8427, -55.1107

Details

The XYZ color **18.3052, 15.7581, 55.5029** 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 **39.0047, 41.2938, 12.9372**, and the grayscale version is **13.9286, 14.6539, 15.9581**.

A 20% lighter version of the original color is **40.0918, 36.2312, 99.4880**, and **6.5219, 5.1111, 26.6294** is the 20% darker color. If you saturate the color by 10%, you get **15.5300, 12.2287, 54.9683**, and if you desaturate by 10%, it is **21.8453, 20.0939, 56.1536**.

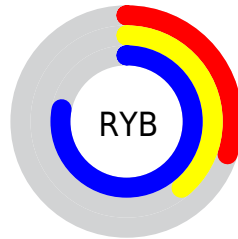
Distribution



Red (30%)

Green (41%)

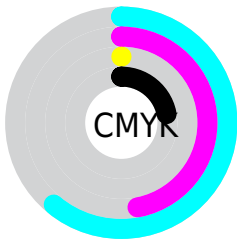
Blue (78%)



Red (30%)

Yellow (39%)

Blue (78%)

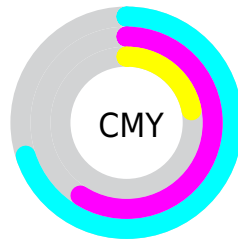


Cyan (61%)

Magenta (47%)

Yellow (0%)

Black (22%)



Cyan (70%)

Magenta (59%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3052, 15.7581, 55.5029 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 18.3052, 15.7581, 55.5029 by changing the saturation by 10% instead.

■ 18.3052, 15.7581,
55.5029

■ 18.3052, 15.7581,
55.5029

235.5982,
227.9101, 425.1510

■ 11.2703, 9.3531,
39.4032

■ 40.0827, 36.1777,
99.7559

■ 6.3176, 4.9722,
26.7633

■ 55.5561, 50.9612,
128.7463

■ 3.0816, 2.2310,
17.1647

■ 74.5730, 69.3063,
162.8707

■ 1.1971, 0.7368,
10.1888

■ 97.4988, 91.5974,
202.5475

■ 0.1041, 0.0000,
5.4171

124.6989,
118.2190, 248.1955

■ 0.0000, 0.0000,
2.4310

156.5386,

■ 0.0000, 0.0000,

149.5553, 300.2330

0.8032

193.3832,
185.9909, 359.0787

■ 0.0000, 0.0000,
0.0000

■ 18.3052, 15.7581,
55.5029

■ 18.3052, 15.7581,
55.5029

■ 15.5300, 12.2287,
54.9683

■ 21.8453, 20.0939,
56.1536

■ 13.4572, 9.4511,
54.5414

■ 26.2019, 25.2826,
56.9255

■ 12.0170, 7.3654,
54.2147

■ 31.4243, 31.3688,
57.8250

■ 11.1627, 6.0164,
53.9994

■ 37.5574, 38.3935,
58.8576

■ 44.6426, 46.3949,
60.0286

■ 52.7190, 55.4092,
61.3429

■ 61.8233, 65.4707,
62.8051

■ 71.9903, 76.6119,
64.4197

■ 83.1769, 88.8248,
66.1874

Harmonies

Analogous

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



13.4221, 15.7581, 58.0503



18.3052, 15.7581, 55.5029



23.1186, 15.7581, 40.2135

Triad

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



18.3052, 15.7581, 55.5029



21.6874, 15.7581, 3.9096



7.6544, 15.7581, 12.9413

Complementary

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



18.3052, 15.7581, 55.5029



39.0047, 41.2938, 12.9372

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.



9.0148, 15.7581, 5.1994



18.3052, 15.7581, 55.5029



16.6488, 15.7581, 2.1290

Square

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



18.3052, 15.7581, 55.5029



25.3401, 15.7581, 9.7079



12.0799, 15.7581, 2.4273



7.9133, 15.7581, 27.6857

Rectangle

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



18.3052, 15.7581, 55.5029



25.3169, 15.7581, 27.8626



12.0799, 15.7581, 2.4273



7.9240, 15.7581, 9.6204

Sweetspot

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



18.3059, 15.7586, 55.5033



69.8925, 71.8292, 104.7884



30.4892, 44.8600, 44.9675



14.2062, 14.5191, 22.3037



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.



18.3059, 15.7586, 55.5033



26.2788, 20.0501, 97.0928



19.1877, 12.6545, 54.8577



10.2525, 10.6791, 13.4384



7.3142, 4.0224, 35.1353



0.4035, 0.3049, 1.6827

Inverse Universe

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



28.4931, 18.3345, 15.4019



46.2790, 26.6658, 18.0133



37.2045, 49.0028, 14.5201



10.7327, 10.6765, 11.5759



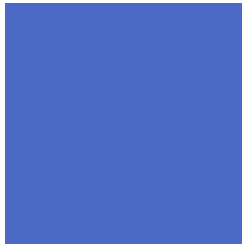
15.4912, 7.9460, 2.5306



0.7624, 0.3878, 0.2719

Previews

White Background



This preview shows how the XYZ color 18.3052, 15.7581, 55.5029 looks on a white background.

Color Contrast Check

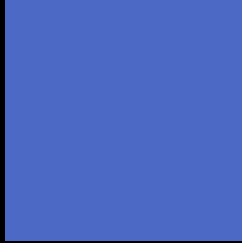
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.3052, 15.7581, 55.5029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

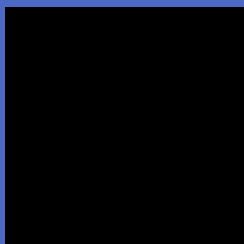
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.3052, 15.7581, 55.5029

Background



This preview shows how black text looks on a background with the XYZ color 18.3052, 15.7581, 55.5029.



This preview shows how white text looks on a background with the XYZ color 18.3052, 15.7581,

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

18.3052, 15.7581, 55.5029

Protanopia

17.7974, 15.7755, 56.7505

Deuteranopia

16.2369, 15.8207, 54.4225



Tritanopia

11.9053, 15.8219, 23.5456

Trichromacy



Original Color

18.3052, 15.7581, 55.5029

Protanomaly

17.9171, 15.6968, 56.1183

Deuteranomaly

16.6734, 15.5493, 54.9459

Tritanomaly

13.6780, 15.4688, 33.2752

Monochromacy



Original Color

18.3052, 15.7581, 55.5029

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.7115, 14.6883, 26.8707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3052, 15.7581, 55.5029 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(77, 105, 198)` looks like.

```
.text, #text, p{  
    color:rgb(77, 105, 198)  
}
```

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(77, 105, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 105, 198) }
```

Border

The CSS property to change the border of an element to XYZ 18.3052, 15.7581, 55.5029 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(77, 105, 198) }
```


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

```
.border{ border-color:rgb(77, 105, 198) }
```

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

Here you see how a box with a 4 pixel rgb(77, 105, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 105, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 105, 198);  
box-shadow:4px 4px 4px 4px rgb(77, 105,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3052, 15.7581, 55.5029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 105, 198) }
```

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

```
.background{ background-color: rgb(77, 105,  
198) }
```

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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