

Converting Colors

XYZ(16.1220, 15.8352, 36.3892)

Have a look what the booklet for
XYZ(16.1220, 15.8352, 36.3892)
contains.

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Color

**XYZ(16.1220, 15.8352,
36.3892)**

Conversions

Conversions Part 1

Format	Color
Hex	586EA2
RGB	88, 110, 162
RGB Percent	35%, 43%, 64%
CMY	0.6549, 0.5686, 0.3647
CMYK	0.46, 0.32, 0.00, 0.36
HSL	222°, 30%, 49%
HSV	222°, 46%, 64%
XYZ	16.1220, 15.8352, 36.3892
YIQ	109.3500, -29.8040, 11.5080

Conversions

Conversions Part 2

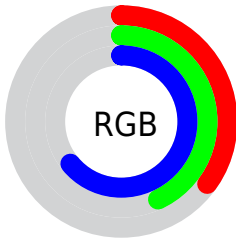
Format	Color
R _Y B	88, 105, 162
Decimal	5795490
CIE Lab	46.76, 6.27, -30.59
CIE LCh	47, 31.226, 281.584
Yxy	15.8352, 0.2359, 0.2317
Android (android.graphics.Color)	4283985570 (0xFF586EA2)
YUV	109.3500, 25.9565, -18.7239
Hunter-Lab	39.7935, 2.6793, -26.3624

Details

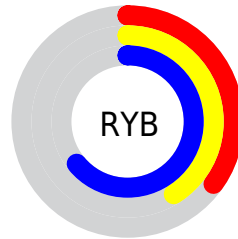
The XYZ color **16.1220, 15.8352, 36.3892** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.0403, 27.1428, 13.0998**, and the grayscale version is **14.5703, 15.3291, 16.6934**.

A 20% lighter version of the original color is **36.2538, 36.1622, 70.7149**, and **5.2851, 5.0381, 15.4458** is the 20% darker color. If you saturate the color by 10%, you get **13.6052, 12.8303, 35.9421**, and if you desaturate by 10%, it is **19.1385, 19.3326, 36.9056**.

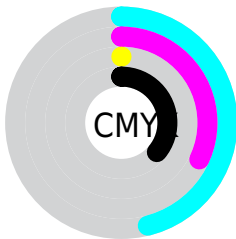
Distribution



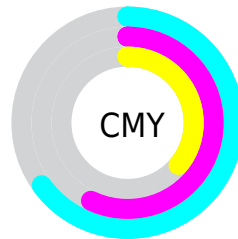
- Red (35%)
- Green (43%)
- Blue (64%)



- Red (35%)
- Yellow (41%)
- Blue (64%)



- Cyan (46%)
- Magenta (32%)
- Yellow (0%)
- Black (36%)



- Cyan (65%)
- Magenta (57%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1220, 15.8352, 36.3892 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 16.1220, 15.8352, 36.3892 by changing the saturation by 10% instead.

■ 16.1220, 15.8352,
36.3892

■ 16.1220, 15.8352,
36.3892

223.3168,
228.3673, 345.7472

■ 9.7019, 9.4076,
24.4429

■ 36.3656, 36.3119,
70.8082

■ 5.2625, 5.0080,
15.4472

■ 50.9199, 51.1297,
94.1179

■ 2.4384, 2.2520,
8.9838

■ 68.9162, 69.5132,
122.0524

■ 0.8643, 0.7481,
4.6339

■ 90.7200, 91.8465,
155.0304

■ 0.0000, 0.0000,
1.9792

116.6966,
118.5142, 193.4703

■ 0.0000, 0.0000,
0.5424

147.2114,

■ 0.0000, 0.0000,

149.9007, 237.7907

0.0000

182.6296,
186.3902, 288.4102

■ 16.1220, 15.8352,
36.3892

■ 16.1220, 15.8352,
36.3892

■ 13.6052, 12.8303,
35.9421

■ 19.1385, 19.3326,
36.9056

■ 11.5576, 10.2924,
35.5602

■ 22.6794, 23.3427,
37.4930

■ 9.9478, 8.1962,
35.2404

■ 26.7698, 27.8866,
38.1545

■ 8.7395, 6.5128,
34.9792

■ 31.4324, 32.9839,
38.8926

■ 7.8862, 5.2076,
34.7722

■ 36.6889, 38.6527,
39.7097

■ 7.5852, 4.7358,
34.6970

■ 42.5596, 44.9107,
40.6082

■ 49.0639, 51.7746,
41.5903

■ 56.2204, 59.2605,
42.6580

■ 64.0468, 67.3837,
43.8135

Harmonies

Analogous

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



13.4636, 15.8352, 35.6369



16.1220, 15.8352, 36.3892



18.7822, 15.8352, 30.9910

Triad

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



16.1220, 15.8352, 36.3892



19.2959, 15.8352, 9.1107



10.6274, 15.8352, 12.9429

Complementary

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



16.1220, 15.8352, 36.3892



26.0403, 27.1428, 13.0998

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.



11.8497, 15.8352, 8.3131



16.1220, 15.8352, 36.3892



16.7583, 15.8352, 6.6028

Square

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



16.1220, 15.8352, 36.3892



20.7562, 15.8352, 14.4146



14.0283, 15.8352, 6.3630



10.5004, 15.8352, 20.4165

Rectangle

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



16.1220, 15.8352, 36.3892



20.1164, 15.8352, 25.3656



14.0283, 15.8352, 6.3630



10.9163, 15.8352, 11.0692

Sweetspot

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



16.1226, 15.8358, 36.3896



49.7288, 51.8699, 69.4470



21.6642, 29.8033, 29.3450



10.7986, 11.2421, 15.5383



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.1226, 15.8358, 36.3896



24.5467, 23.1070, 65.2225



15.5825, 12.4605, 35.7666



6.8641, 7.1873, 8.9286



6.0095, 3.7983, 27.3462



0.1656, 0.1584, 0.5877

Inverse Universe

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



21.2050, 15.7872, 16.6820



35.1838, 23.7809, 23.8019



26.7507, 32.7672, 14.1480



7.1564, 7.1190, 7.8100



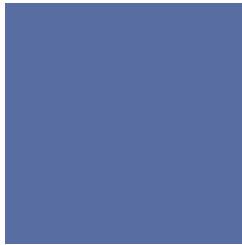
12.1788, 6.2276, 2.8660



0.2757, 0.1388, 0.1646

Previews

White Background



This preview shows how the XYZ color 16.1220, 15.8352, 36.3892 looks on a white background.

Color Contrast Check

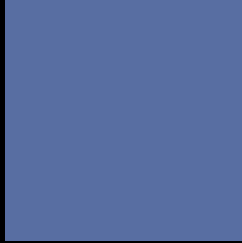
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1220, 15.8352, 36.3892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

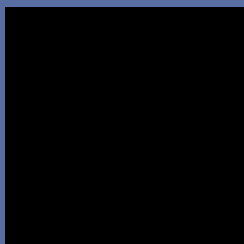
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

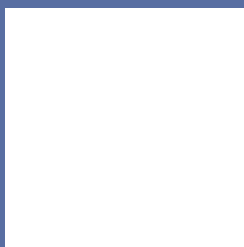
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.1220, 15.8352, 36.3892

Background



This preview shows how black text looks on a background with the XYZ color 16.1220, 15.8352, 36.3892.



This preview shows how white text looks on a background with the XYZ color 16.1220, 15.8352,

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

16.1220, 15.8352, 36.3892

Protanopia

16.4159, 15.8376, 35.9100

Deuteranopia

16.2173, 15.8843, 36.3937



Tritanopia

13.2691, 15.8486, 22.0984

Trichromacy



Original Color

16.1220, 15.8352, 36.3892

Protanomaly

16.2160, 15.7346, 35.9006

Deuteranomaly

16.2173, 15.8843, 36.3937

Tritanomaly

14.1572, 15.6925, 26.7089

Monochromacy



Original Color

16.1220, 15.8352, 36.3892

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.7317, 15.2625, 22.5916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1220, 15.8352, 36.3892 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(88, 110, 162)` looks like.

```
.text, #text, p{  
    color:rgb(88, 110, 162)  
}
```

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(88, 110, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 110, 162) }
```

Border

The CSS property to change the border of an element to XYZ 16.1220, 15.8352, 36.3892 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(88, 110, 162) }
```


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

```
.border{ border-color:rgb(88, 110, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 110, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 110, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 110, 162);  
box-shadow:4px 4px 4px 4px rgb(88, 110,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1220, 15.8352, 36.3892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 110, 162) }
```

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

```
.background{ background-color: rgb(88, 110,  
162) }
```

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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