

Converting Colors

XYZ(17.2319, 15.6493, 38.1888)

Have a look what the booklet for
XYZ(17.2319, 15.6493, 38.1888)
contains.

XYZ(17.1900, 15.5656, 38.1749)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.1900, 15.5656,
38.1749)**

Conversions

Conversions Part 1

Format	Color
Hex	6469A6
RGB	100, 105, 166
RGB Percent	39%, 41%, 65%
CMY	0.6078, 0.5882, 0.3490
CMYK	0.40, 0.37, 0.00, 0.35
HSL	235°, 27%, 52%
HSV	235°, 40%, 65%
XYZ	17.1900, 15.5656, 38.1749
YIQ	110.4590, -22.5610, 17.9110

Conversions

Conversions Part 2

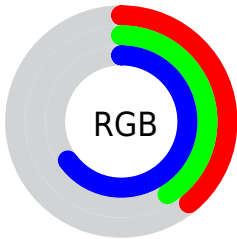
Format	Color
R_{YB}	100, 105, 166
Decimal	6580646
CIE _{Lab}	46.40, 13.80, -33.44
CIE _{LCh}	46, 36.176, 292.418
Yxy	15.5656, 0.2423, 0.2194
Android (android.graphics.Color)	4284770726 (0xFF6469A6)
YUV	110.4590, 27.3817, -9.1725
Hunter-Lab	39.4533, 8.7302, -29.7516

Details

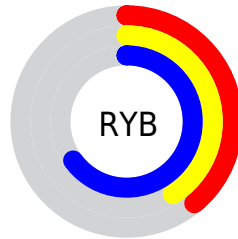
The XYZ color **17.1900, 15.5656, 38.1749** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.7716, 34.5175, 17.0980**, and the grayscale version is **14.8816, 15.6567, 17.0501**.

A 20% lighter version of the original color is **38.0765, 35.7697, 73.3040**, and **5.7692, 4.8694, 16.5554** is the 20% darker color. If you saturate the color by 10%, you get **14.1134, 11.8655, 37.6232**, and if you desaturate by 10%, it is **20.9238, 20.0236, 38.8389**.

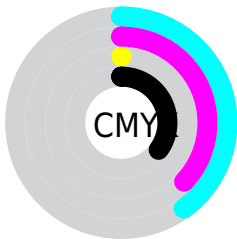
Distribution



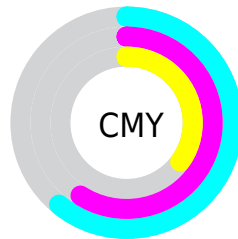
- Red (39%)
- Green (41%)
- Blue (65%)



- Red (39%)
- Yellow (41%)
- Blue (65%)



- Cyan (40%)
- Magenta (37%)
- Yellow (0%)
- Black (35%)



- Cyan (61%)
- Magenta (59%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1900, 15.5656, 38.1749 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 17.1900, 15.5656, 38.1749 by changing the saturation by 10% instead.

■ 17.1900, 15.5656,
38.1749

■ 17.1900, 15.5656,
38.1749

229.3999,
226.7646, 353.6903

■ 10.4662, 9.2173,
25.8156

■ 38.1932, 35.8424,
73.5825

■ 5.7738, 4.8832,
16.4612

■ 53.2032, 50.5397,
97.4679

■ 2.7474, 2.1789,
9.6932

■ 71.7061, 68.7887,
126.0324

■ 1.0216, 0.7084,
5.0931

■ 94.0671, 90.9740,
159.6945

■ 0.0000, 0.0000,
2.2423

120.6517,
117.4798, 198.8729

■ 0.0000, 0.0000,
0.6986

151.8251,

■ 0.0000, 0.0000,

148.6906, 243.9859

0.0000

187.9527,
184.9907, 295.4522

■ 17.1900, 15.5656,
38.1749

■ 17.1900, 15.5656,
38.1749

■ 14.1134, 11.8655,
37.6232

■ 20.9238, 20.0236,
38.8389

■ 11.6542, 8.8794,
37.1764

■ 25.3481, 25.2766,
39.6196

■ 9.7710, 6.5617,
36.8283

■ 30.4958, 31.3613,
40.5228

■ 8.4167, 4.8606,
36.5713

■ 36.3975, 38.3118,
41.5533

■ 7.5363, 3.7166,
36.3969

■ 43.0818, 46.1602,
42.7159

■ 7.0313, 3.0423,
36.2934

■ 50.5759, 54.9367,
44.0150

■ 7.0215, 3.0303,
36.2916

■ 58.9057, 64.6705,
45.4547

■ 68.0958, 75.3893,
47.0393

■ 78.1701, 87.1197,
48.7725

Harmonies

Analogous

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



14.0208, 15.5656, 40.1720



17.1900, 15.5656, 38.1749



20.0477, 15.5656, 29.6603

Triad

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



17.1900, 15.5656, 38.1749



18.7424, 15.5656, 6.6892



9.6310, 15.5656, 14.7910

Complementary

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



17.1900, 15.5656, 38.1749



30.7716, 34.5175, 17.0980

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.



10.5501, 15.5656, 8.5132



17.1900, 15.5656, 38.1749



15.5964, 15.5656, 5.0221

Square

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



17.1900, 15.5656, 38.1749



21.0278, 15.5656, 11.2286



12.6328, 15.5656, 5.5473



9.9338, 15.5656, 24.3401

Rectangle

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



17.1900, 15.5656, 38.1749



21.2463, 15.5656, 22.6551



12.6328, 15.5656, 5.5473



9.8023, 15.5656, 12.2906

Sweetspot

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



17.1906, 15.5662, 38.1753



52.9184, 54.0513, 73.1191



25.2813, 32.5378, 38.4359



11.5762, 11.7816, 16.3161



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.1906, 15.5662, 38.1753



26.0524, 22.0637, 68.3609



20.2678, 16.4187, 38.1776



7.1758, 7.3885, 9.4663



5.4594, 2.3790, 28.1469



0.1466, 0.0855, 0.6894

Inverse Universe

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



22.8333, 18.2419, 15.6826



37.8400, 27.8295, 21.3351



26.5011, 33.6390, 17.1535



7.5533, 7.5512, 7.9650



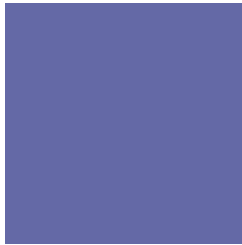
12.2562, 6.3112, 0.8950



0.3052, 0.1563, 0.0585

Previews

White Background



This preview shows how the XYZ color 17.1900, 15.5656, 38.1749 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 17.1900, 15.5656, 38.1749 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 17.1900, 15.5656, 38.1749

Background



This preview shows how black text looks on a background with the XYZ color 17.1900, 15.5656, 38.1749.

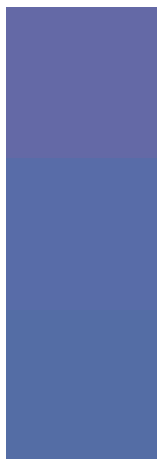


This preview shows how white text looks on a background with the XYZ color 17.1900, 15.5656,

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

17.1900, 15.5656, 38.1749

Protanopia

16.4549, 15.6270, 39.1948

Deuteranopia

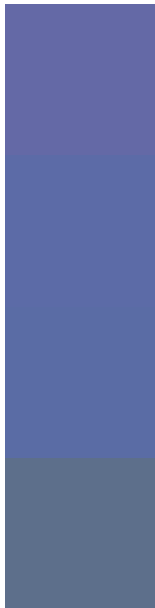
15.9163, 15.5387, 37.7577



Tritanopia

13.7123, 15.5885, 21.0251

Trichromacy



Original Color

17.1900, 15.5656, 38.1749

Protanomaly

16.6464, 15.5807, 38.6892

Deuteranomaly

16.3705, 15.6154, 37.7486

Tritanomaly

14.8588, 15.5601, 26.6464

Monochromacy



Original Color

17.1900, 15.5656, 38.1749

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.3357, 15.4010, 23.2835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1900, 15.5656, 38.1749 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(100, 105, 166)` looks like.

```
.text, #text, p{  
    color:rgb(100, 105, 166)  
}
```

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(100, 105, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 105, 166) }
```

Border

The CSS property to change the border of an element to XYZ 17.1900, 15.5656, 38.1749 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(100, 105, 166) }
```


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

```
.border{ border-color:rgb(100, 105, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 105, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 105, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 105, 166);  
box-shadow:4px 4px 4px 4px rgb(100, 105,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1900, 15.5656, 38.1749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 105, 166) }
```

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

```
.background{ background-color: rgb(100,  
105, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor