

Converting Colors

XYZ(18.1513, 15.3995, 34.8166)

Have a look what the booklet for
XYZ(18.1513, 15.3995, 34.8166)
contains.

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Color

**XYZ(18.1513, 15.3995,
34.8166)**

Conversions

Conversions Part 1

Format	Color
Hex	75649F
RGB	117, 100, 159
RGB Percent	46%, 39%, 62%
CMY	0.5412, 0.6078, 0.3765
CMYK	0.26, 0.37, 0.00, 0.38
HSL	257°, 24%, 51%
HSV	257°, 37%, 62%
XYZ	18.1513, 15.3995, 34.8166
YIQ	111.8090, -8.8070, 21.9530

Conversions

Conversions Part 2

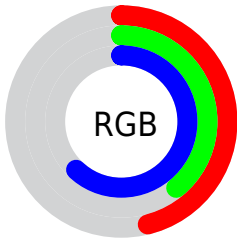
Format	Color
R _Y B	117, 100, 159
Decimal	7693471
CIE Lab	46.18, 19.93, -29.56
CIE LCh	46, 35.655, 303.988
Yxy	15.3995, 0.2655, 0.2252
Android (android.graphics.Color)	4285883551 (0xFF75649F)
YUV	111.8090, 23.2652, 4.5525
Hunter-Lab	39.2422, 13.8905, -25.1339

Details

The XYZ color **18.1513, 15.3995, 34.8166** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.8542, 31.4675, 16.7684**, and the grayscale version is **15.2815, 16.0774, 17.5083**.

A 20% lighter version of the original color is **39.7818, 35.5343, 68.3804**, and **6.2417, 4.8010, 14.5076** is the 20% darker color. If you saturate the color by 10%, you get **15.3426, 11.9046, 34.2903**, and if you desaturate by 10%, it is **21.4426, 19.5857, 35.4514**.

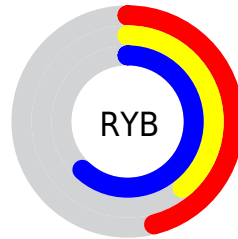
Distribution



Red (46%)

Green (39%)

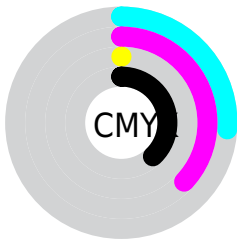
Blue (62%)



Red (46%)

Yellow (39%)

Blue (62%)

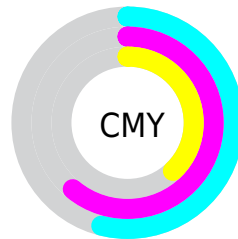


Cyan (26%)

Magenta (37%)

Yellow (0%)

Black (38%)



Cyan (54%)

Magenta (61%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1513, 15.3995, 34.8166 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 18.1513, 15.3995, 34.8166 by changing the saturation by 10% instead.

■ 18.1513, 15.3995,
34.8166

■ 18.1513, 15.3995,
34.8166

234.7516,
225.7717, 338.6377

■ 11.1590, 9.1002,
23.2392

■ 39.8230, 35.5525,
68.3499

■ 6.2420, 4.8066,
14.5633

■ 55.2332, 50.1751,
91.1429

■ 3.0348, 2.1343,
8.3703

■ 74.1800, 68.3408,
118.5115

■ 1.1722, 0.6838,
4.2416

■ 97.0289, 90.4342,
150.8743

■ 0.0843, 0.0000,
1.7588

124.1451,
116.8396, 188.6497

■ 0.0000, 0.0000,
0.4006

155.8940,

■ 0.0000, 0.0000,

147.9414, 232.2564

0.0000

192.6411,
184.1239, 282.1129

■ 18.1513, 15.3995,
34.8166

■ 18.1513, 15.3995,
34.8166

■ 15.3426, 11.9046,
34.2903

■ 21.4426, 19.5857,
35.4514

■ 12.9910, 9.0610,
33.8654

■ 25.2371, 24.4965,
36.1993

■ 11.0709, 6.8274,
33.5355

■ 29.5561, 30.1652,
37.0658

■ 9.5533, 5.1567,
33.2930

■ 34.4191, 36.6226,
38.0559

■ 8.4054, 3.9949,
33.1292

■ 39.8447, 43.8977,
39.1742

■ 7.5789, 3.2583,
33.0306

■ 45.8505, 52.0179,
40.4250

■ 7.3764, 3.0797,
33.0068

■ 52.4533, 61.0095,
41.8126

■ 59.6693, 70.8976,
43.3408

■ 67.5140, 81.7062,
45.0136

Harmonies

Analogous

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



15.0468, 15.3995, 39.6071



18.1513, 15.3995, 34.8166



20.5395, 15.3995, 25.2269

Triad

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



18.1513, 15.3995, 34.8166



17.3511, 15.3995, 5.7783



9.5484, 15.3995, 17.9581

Complementary

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



18.1513, 15.3995, 34.8166



25.8542, 31.4675, 16.7684

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.



9.9895, 15.3995, 10.4484



18.1513, 15.3995, 34.8166



14.2342, 15.3995, 5.0027

Square

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



18.1513, 15.3995, 34.8166



20.0344, 15.3995, 9.0460



11.6080, 15.3995, 6.3693



10.3077, 15.3995, 27.9667

Rectangle

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



18.1513, 15.3995, 34.8166



21.2489, 15.3995, 18.5814



11.6080, 15.3995, 6.3693



9.5619, 15.3995, 15.0755

Sweetspot

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



18.1518, 15.4001, 34.8170



49.6419, 49.6888, 65.7179



21.2293, 24.6435, 36.4389



10.9706, 10.9120, 14.7717



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.1518, 15.4001, 34.8170



28.0601, 22.0370, 61.5181



22.7083, 17.7490, 35.0302



6.4554, 6.5232, 8.3256



5.8630, 2.4515, 26.0714



0.1436, 0.0638, 0.4680

Inverse Universe

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



23.7382, 18.4389, 27.8996



39.7938, 28.4317, 46.4472



21.4811, 29.2131, 16.5638



6.8226, 6.7220, 7.9170



13.6743, 6.7743, 13.0676



0.2617, 0.1280, 0.3242

Previews

White Background



This preview shows how the XYZ color 18.1513, 15.3995, 34.8166 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 18.1513, 15.3995, 34.8166 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 18.1513, 15.3995, 34.8166

Background



This preview shows how black text looks on a background with the XYZ color 18.1513, 15.3995, 34.8166.

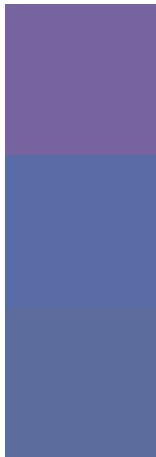


This preview shows how white text looks on a background with the XYZ color 18.1513, 15.3995,

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

18.1513, 15.3995, 34.8166

Protanopia

16.2739, 15.5656, 37.7440

Deuteranopia

15.7627, 15.3836, 34.0368



Tritanopia

14.9862, 15.4728, 19.0263

Trichromacy



Original Color

18.1513, 15.3995, 34.8166

Protanomaly

16.8080, 15.4001, 36.7370

Deuteranomaly

16.4787, 15.2811, 34.4288

Tritanomaly

16.0010, 15.4188, 23.9626

Monochromacy



Original Color

18.1513, 15.3995, 34.8166

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.2644, 15.8875, 22.9782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1513, 15.3995, 34.8166 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(117, 100, 159)` looks like.

```
.text, #text, p{  
    color:rgb(117, 100, 159)  
}
```

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(117, 100, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 100, 159) }
```

Border

The CSS property to change the border of an element to XYZ 18.1513, 15.3995, 34.8166 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(117, 100, 159) }
```


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

```
.border{ border-color:rgb(117, 100, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 100, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 100, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 100, 159);  
box-shadow:4px 4px 4px 4px rgb(117, 100,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1513, 15.3995, 34.8166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 100, 159) }
```

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

```
.background{ background-color: rgb(117,  
100, 159) }
```

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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