

Converting Colors

XYZ(18.6067, 15.4131, 34.4198)

Have a look what the booklet for
XYZ(18.6067, 15.4131, 34.4198)
contains.

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Color

**XYZ(18.5653, 15.3416,
34.3305)**

Conversions

Conversions Part 1

Format	Color
Hex	7A629E
RGB	122, 98, 158
RGB Percent	48%, 38%, 62%
CMY	0.5216, 0.6157, 0.3804
CMYK	0.23, 0.38, 0.00, 0.38
HSL	264°, 24%, 50%
HSV	264°, 38%, 62%
XYZ	18.5653, 15.3416, 34.3305
YIQ	112.0160, -4.9560, 23.7480

Conversions

Conversions Part 2

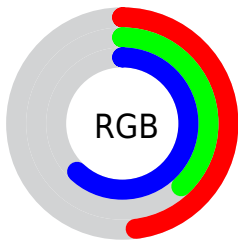
Format	Color
R_{YB}	122, 98, 158
Decimal	8020638
CIE _{Lab}	46.10, 22.44, -29.06
CIE _{LCh}	46, 36.714, 307.678
Yxy	15.3416, 0.2721, 0.2248
Android (android.graphics.Color)	4286210718 (0xFF7A629E)
YUV	112.0160, 22.6701, 8.7560
Hunter-Lab	39.1684, 16.0621, -24.5490

Details

The XYZ color **18.5653, 15.3416, 34.3305** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.2634, 30.4043, 16.1457**, and the grayscale version is **15.3429, 16.1420, 17.5786**.

A 20% lighter version of the original color is **40.4369, 35.4129, 67.6549**, and **6.4578, 4.7860, 14.2191** is the 20% darker color. If you saturate the color by 10%, you get **15.9529, 12.0129, 33.8259**, and if you desaturate by 10%, it is **21.6016, 19.3227, 34.9392**.

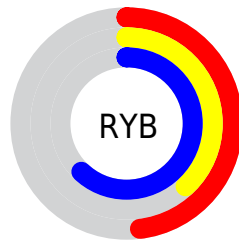
Distribution



Red (48%)

Green (38%)

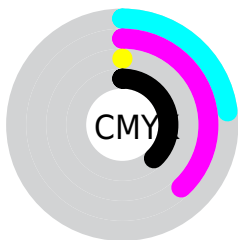
Blue (62%)



Red (48%)

Yellow (38%)

Blue (62%)

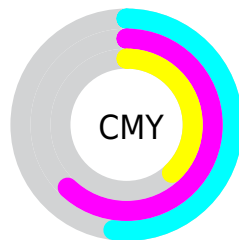


Cyan (23%)

Magenta (38%)

Yellow (0%)

Black (38%)



Cyan (52%)

Magenta (62%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5653, 15.3416, 34.3305 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 18.5653, 15.3416, 34.3305 by changing the saturation by 10% instead.

■ 18.5653, 15.3416,
34.3305

■ 18.5653, 15.3416,
34.3305

237.0228,
225.4246, 336.4173

■ 11.4587, 9.0595,
22.8682

■ 40.5208, 35.4513,
67.5871

■ 6.4458, 4.7800,
14.2918

■ 56.1005, 50.0478,
90.2184

■ 3.1612, 2.1188,
8.1829

■ 75.2353, 68.1844,
117.4098

■ 1.2396, 0.6751,
4.1227

■ 98.2905, 90.2456,
149.5799

■ 0.1373, 0.0000,
1.6929

125.6315,
116.6159, 187.1471

■ 0.0000, 0.0000,
0.3559

157.6236,

■ 0.0000, 0.0000,

147.6795, 230.5301

0.0000

194.6323,
183.8210, 280.1473

■ 18.5653, 15.3416,
34.3305

■ 18.5653, 15.3416,
34.3305

■ 15.9529, 12.0129,
33.8259

■ 21.6016, 19.3227,
34.9392

■ 13.7417, 9.2983,
33.4185

■ 25.0795, 23.9878,
35.6563

■ 11.9094, 7.1583,
33.1020

■ 29.0178, 29.3688,
36.4874

■ 10.4303, 5.5477,
32.8691

■ 33.4336, 35.4949,
37.4371

■ 9.2751, 4.4143,
32.7112

■ 38.3429, 42.3936,
38.5099

■ 8.3944, 3.6661,
32.6132

■ 43.7612, 50.0912,
39.7101

■ 8.2343, 3.5320,
32.5958

■ 49.7032, 58.6125,
41.0417

■ 56.1829, 67.9812,
42.5086

■ 63.2138, 78.2204,
44.1144

Harmonies

Analogous

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



15.3981, 15.3416, 40.1780



18.5653, 15.3416, 34.3305



20.8665, 15.3416, 24.1184

Triad

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



18.5653, 15.3416, 34.3305



16.9816, 15.3416, 5.3172



9.4069, 15.3416, 19.1070

Complementary

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



18.5653, 15.3416, 34.3305



24.2634, 30.4043, 16.1457

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.



9.7056, 15.3416, 10.9906



18.5653, 15.3416, 34.3305



13.7947, 15.3416, 4.8060

Square

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



18.5653, 15.3416, 34.3305



19.8650, 15.3416, 8.2486



11.2131, 15.3416, 6.4609



10.3296, 15.3416, 29.5631

Rectangle

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



18.5653, 15.3416, 34.3305



21.4363, 15.3416, 17.4105



11.2131, 15.3416, 6.4609



9.3705, 15.3416, 16.0177

Sweetspot

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



18.5658, 15.3422, 34.3308



50.2840, 50.0198, 65.7480



19.7342, 22.1161, 35.5768



11.1298, 10.9941, 14.7791



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.



18.5658, 15.3422, 34.3308



29.4443, 22.4101, 61.5171



23.4886, 17.8800, 34.5612



6.5233, 6.5582, 8.3287



6.6370, 2.8505, 26.1076



0.1650, 0.0748, 0.4690

Inverse Universe

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



22.7718, 17.7263, 24.7761



38.4685, 27.5346, 40.5996



20.1409, 28.2790, 15.9528



6.7917, 6.7096, 7.7542



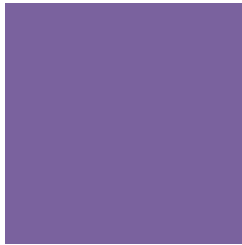
12.9599, 6.4885, 9.3060



0.2522, 0.1242, 0.2743

Previews

White Background



This preview shows how the XYZ color 18.5653, 15.3416, 34.3305 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 18.5653, 15.3416, 34.3305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

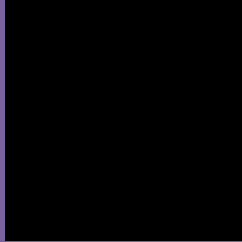
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5653, 15.3416, 34.3305

Background



This preview shows how black text looks on a background with the XYZ color 18.5653, 15.3416, 34.3305.

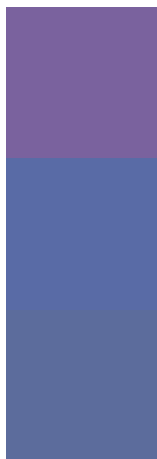


This preview shows how white text looks on a background with the XYZ color 18.5653, 15.3416,

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

18.5653, 15.3416, 34.3305

Protanopia

16.2605, 15.3924, 38.1904

Deuteranopia

15.7769, 15.4007, 33.5936



Tritanopia

15.2916, 15.3306, 18.3728

Trichromacy



Original Color

18.5653, 15.3416, 34.3305

Protanomaly

16.9280, 15.3117, 36.7136

Deuteranomaly

16.6296, 15.2185, 33.9593

Tritanomaly

16.3832, 15.3212, 23.5665

Monochromacy



Original Color

18.5653, 15.3416, 34.3305

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.4226, 15.8134, 22.9556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5653, 15.3416, 34.3305 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(122, 98, 158)` looks like.

```
.text, #text, p{  
    color:rgb(122, 98, 158)  
}
```

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(122, 98, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 98, 158) }
```

Border

The CSS property to change the border of an element to XYZ 18.5653, 15.3416, 34.3305 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(122, 98, 158) }
```


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

```
.border{ border-color:rgb(122, 98, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 98, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 98, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 98, 158);  
box-shadow:4px 4px 4px 4px rgb(122, 98,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5653, 15.3416, 34.3305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 98, 158) }
```

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

```
.background{ background-color: rgb(122, 98,  
158) }
```

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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