

Converting Colors

XYZ(18.9140, 19.1690, 40.8482)

Have a look what the booklet for
XYZ(18.9140, 19.1690, 40.8482)
contains.

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Color

**XYZ(18.9345, 19.2542,
40.7487)**

Conversions

Conversions Part 1

Format	Color
Hex	5F7AAA
RGB	95, 122, 170
RGB Percent	37%, 48%, 67%
CMY	0.6274, 0.5216, 0.3333
CMYK	0.44, 0.28, 0.00, 0.33
HSL	218°, 31%, 52%
HSV	218°, 44%, 67%
XYZ	18.9345, 19.2542, 40.7487
YIQ	119.3990, -31.5000, 9.2040

Conversions

Conversions Part 2

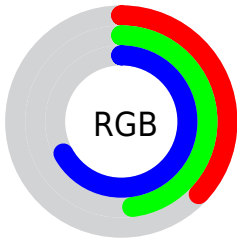
Format	Color
R _Y B	95, 115, 170
Decimal	6257322
CIE Lab	50.98, 3.30, -28.64
CIE LCh	51, 28.828, 276.565
Yxy	19.2542, 0.2399, 0.2439
Android (android.graphics.Color)	4284447402 (0xFF5F7AAA)
YUV	119.3990, 24.9463, -21.3979
Hunter-Lab	43.8796, 0.2353, -24.3438

Details

The XYZ color **18.9345, 19.2542, 40.7487** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **28.4661, 29.0178, 14.9279**, and the grayscale version is **17.5920, 18.5082, 20.1554**.

A 20% lighter version of the original color is **41.1211, 42.0979, 77.1926**, and **6.6736, 6.6978, 18.0806** is the 20% darker color. If you saturate the color by 10%, you get **16.0956, 15.9176, 40.2547**, and if you desaturate by 10%, it is **22.3096, 23.0900, 41.3116**.

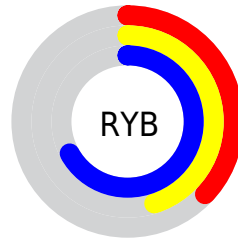
Distribution



Red (37%)

Green (48%)

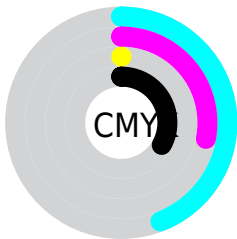
Blue (67%)



Red (37%)

Yellow (45%)

Blue (67%)

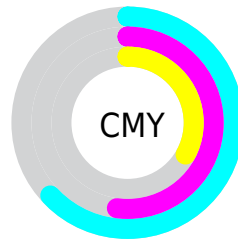


Cyan (44%)

Magenta (28%)

Yellow (0%)

Black (33%)



Cyan (63%)

Magenta (52%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9345, 19.2542, 40.7487 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 18.9345, 19.2542, 40.7487 by changing the saturation by 10% instead.

■ 18.9345, 19.2542,
40.7487

■ 18.9345, 19.2542,
40.7487

239.0320,
247.8485, 364.9147

■ 11.7267, 11.8541,
27.8046

■ 41.1411, 42.1632,
77.5518

■ 6.6287, 6.6444,
17.9406

■ 56.8706, 58.4409,
102.2478

■ 3.2753, 3.2407,
10.7384

■ 76.1714, 78.4466,
131.6982

■ 1.3009, 1.2587,
5.7792

■ 99.4088, 102.5646,
166.3215

■ 0.1839, 0.1089,
2.6447

126.9483,
131.1794, 206.5363

■ 0.0000, 0.0000,
0.9154

159.1550,

■ 0.0000, 0.0000,

164.6754, 252.7610

0.0000

196.3945,
203.4370, 305.4143

■ 18.9345, 19.2542,
40.7487

■ 18.9345, 19.2542,
40.7487

■ 16.0956, 15.9176,
40.2547

■ 22.3096, 23.0900,
41.3116

■ 13.7608, 13.0553,
39.8252

■ 26.2468, 27.4442,
41.9445

■ 11.8971, 10.6429,
39.4578

■ 30.7723, 32.3374,
42.6504

■ 10.4666, 8.6528,
39.1491

■ 35.9102, 37.7883,
43.4318

■ 9.4241, 7.0531,
38.8953

■ 41.6833, 43.8147,
44.2907

■ 8.9352, 6.2612,
38.7682

■ 48.1129, 50.4337,
45.2294

■ 55.2196, 57.6615,
46.2500

■ 63.0229, 65.5137,
47.3543

■ 71.5414, 74.0053,
48.5444

Harmonies

Analogous

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



16.2058, 19.2542, 38.9202



18.9345, 19.2542, 40.7487



21.7644, 19.2542, 36.2712

Triad

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



18.9345, 19.2542, 40.7487



23.0660, 19.2542, 12.9336



13.7176, 19.2542, 15.3201

Complementary

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



18.9345, 19.2542, 40.7487



28.4661, 29.0178, 14.9279

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.



15.2252, 19.2542, 10.7141



18.9345, 19.2542, 40.7487



20.5684, 19.2542, 9.6072

Square

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



18.9345, 19.2542, 40.7487



24.3045, 19.2542, 19.2203



17.6809, 19.2542, 8.9159



13.3770, 19.2542, 22.8113

Rectangle

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



18.9345, 19.2542, 40.7487



23.2670, 19.2542, 30.8591



17.6809, 19.2542, 8.9159



14.0964, 19.2542, 13.4495

Sweetspot

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



18.9352, 19.2549, 40.7492



56.6081, 59.5019, 77.5033



24.0147, 33.1509, 30.9221



12.2030, 12.8184, 17.2187



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.9352, 19.2549, 40.7492



29.2763, 28.9678, 73.0502



17.1743, 14.0907, 39.8452



7.3446, 7.7261, 9.5225



6.6216, 4.7034, 28.5343



0.2096, 0.2114, 0.7104

Inverse Universe

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



24.1832, 18.1363, 20.6391



40.2907, 27.5549, 30.6338



30.9380, 37.0497, 16.3479



7.6385, 7.5853, 8.4138



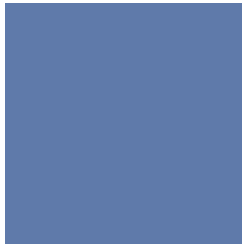
12.8429, 6.5459, 3.9842



0.3369, 0.1690, 0.2258

Previews

White Background



This preview shows how the XYZ color 18.9345, 19.2542, 40.7487 looks on a white 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

Black Background



This preview shows how the XYZ color 18.9345, 19.2542, 40.7487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

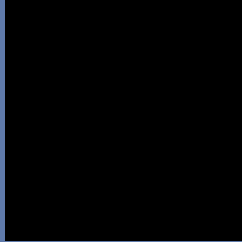
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

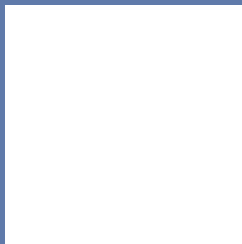
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9345, 19.2542, 40.7487

Background



This preview shows how black text looks on a background with the XYZ color 18.9345, 19.2542, 40.7487.

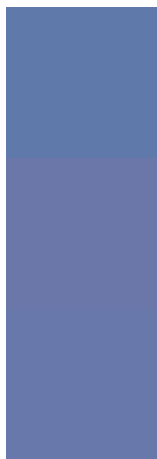


This preview shows how white text looks on a background with the XYZ color 18.9345, 19.2542,

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

18.9345, 19.2542, 40.7487

Protanopia

19.6086, 19.0850, 39.6961

Deuteranopia

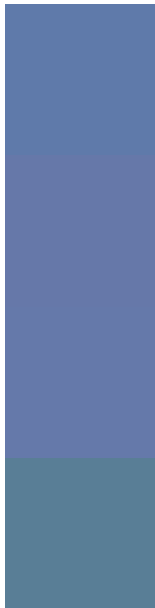
19.6811, 19.2783, 40.7140



Tritanopia

16.1444, 19.2518, 26.9098

Trichromacy



Original Color

18.9345, 19.2542, 40.7487

Protanomaly

19.3574, 19.1223, 40.2068

Deuteranomaly

19.4599, 19.3437, 40.7383

Tritanomaly

17.0857, 19.2476, 31.6688

Monochromacy



Original Color

18.9345, 19.2542, 40.7487

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.7343, 18.5829, 26.6969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9345, 19.2542, 40.7487 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(95, 122, 170)` looks like.

```
.text, #text, p{  
    color:rgb(95, 122, 170)  
}
```

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(95, 122, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 122, 170) }
```

Border

The CSS property to change the border of an element to XYZ 18.9345, 19.2542, 40.7487 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(95, 122, 170) }
```


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

```
.border{ border-color:rgb(95, 122, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 122, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 122, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 122, 170);  
box-shadow:4px 4px 4px 4px rgb(95, 122,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9345, 19.2542, 40.7487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 122, 170) }
```

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

```
.background{ background-color: rgb(95, 122,  
170) }
```

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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