

Converting Colors

XYZ(18.9176, 18.5024, 34.0267)

Have a look what the booklet for
XYZ(18.9176, 18.5024, 34.0267)
contains.

XYZ(18.9176, 18.5024, 34.0267)	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(18.9176, 18.5024,
34.0267)**

Conversions

Conversions Part 1

Format	Color
Hex	6F759C
RGB	111, 117, 156
RGB Percent	44%, 46%, 61%
CMY	0.5647, 0.5412, 0.3882
CMYK	0.29, 0.25, 0.00, 0.39
HSL	232°, 19%, 52%
HSV	232°, 29%, 61%
XYZ	18.9176, 18.5024, 34.0267
YIQ	119.6520, -16.0950, 10.8570

Conversions

Conversions Part 2

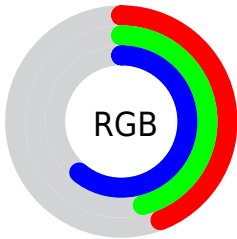
Format	Color
R_{YB}	111, 116, 156
Decimal	7304604
CIE Lab	50.10, 7.02, -21.76
CIE LCh	50, 22.860, 287.876
Yxy	18.5024, 0.2648, 0.2590
Android (android.graphics.Color)	4285494684 (0xFF6F759C)
YUV	119.6520, 17.9196, -7.5878
Hunter-Lab	43.0144, 3.2285, -16.7915

Details

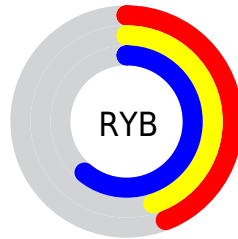
The XYZ color **18.9176, 18.5024, 34.0267** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.4862, 30.0285, 19.3870**, and the grayscale version is **17.6905, 18.6117, 20.2682**.

A 20% lighter version of the original color is **41.2557, 40.9716, 67.3619**, and **6.6645, 6.3003, 14.2294** is the 20% darker color. If you saturate the color by 10%, you get **15.6604, 14.6516, 33.4554**, and if you desaturate by 10%, it is **22.7464, 22.9865, 34.6907**.

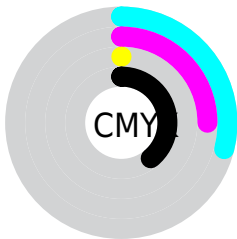
Distribution



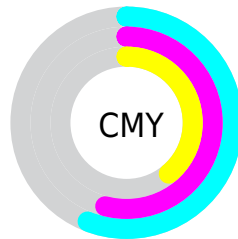
- Red (44%)
- Green (46%)
- Blue (61%)



- Red (44%)
- Yellow (45%)
- Blue (61%)



- Cyan (29%)
- Magenta (25%)
- Yellow (0%)
- Black (39%)



- Cyan (56%)
- Magenta (54%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9176, 18.5024, 34.0267 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 18.9176, 18.5024, 34.0267 by changing the saturation by 10% instead.

■ 18.9176, 18.5024,
34.0267

■ 18.9176, 18.5024,
34.0267

238.9403,
243.6878, 335.0239

■ 11.7144, 11.3113,
22.6366

■ 41.1128, 40.8916,
67.1096

■ 6.6203, 6.2766,
14.1226

■ 56.8354, 56.8584,
89.6394

■ 3.2700, 3.0140,
8.0663

■ 76.1287, 76.5193,
116.7195

■ 1.2981, 1.1390,
4.0490

■ 99.3578, 100.2585,
148.7685

■ 0.1818, 0.0111,
1.6523

126.8882,
128.4606, 186.2049

■ 0.0000, 0.0000,
0.3277

159.0851,

■ 0.0000, 0.0000,

161.5099, 229.4472

0.0000

196.3141,
199.7909, 278.9141

■ 18.9176, 18.5024,
34.0267

■ 18.9176, 18.5024,
34.0267

■ 15.6604, 14.6516,
33.4554

■ 22.7464, 22.9865,
34.6907

■ 12.9454, 11.4032,
32.9715

■ 27.1706, 28.1284,
35.4500

■ 10.7434, 8.7272,
32.5710

■ 32.2148, 33.9540,
36.3086

■ 9.0216, 6.5899,
32.2493

■ 37.9020, 40.4874,
37.2700

■ 7.7433, 4.9542,
32.0009

■ 44.2535, 47.7511,
38.3372

■ 6.8666, 3.7779,
31.8201

■ 51.2901, 55.7669,
39.5136

■ 6.3173, 2.9997,
31.6988

■ 59.0314, 64.5557,
40.8020

■ 6.2653, 2.9294,
31.6880

■ 67.4964, 74.1373,
42.2053

■ 76.7031, 84.5312,
43.7262

Harmonies

Analogous

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



16.7118, 18.5024, 34.4752



18.9176, 18.5024, 34.0267



20.9162, 18.5024, 29.4206

Triad

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



18.9176, 18.5024, 34.0267



20.5808, 18.5024, 12.4257



13.7635, 18.5024, 17.7055

Complementary

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



18.9176, 18.5024, 34.0267



27.4862, 30.0285, 19.3870

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.



14.6295, 18.5024, 13.0594



18.9176, 18.5024, 34.0267



18.4901, 18.5024, 10.4658

Square

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



18.9176, 18.5024, 34.0267



21.9302, 18.5024, 16.6491



16.3184, 18.5024, 10.6705



13.8571, 18.5024, 24.1011

Rectangle

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



18.9176, 18.5024, 34.0267



21.8060, 18.5024, 25.0653



16.3184, 18.5024, 10.6705



13.9488, 18.5024, 15.9164

Sweetspot

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



18.9182, 18.5031, 34.0271



49.0635, 50.7578, 64.3381



23.8893, 29.3347, 32.9420



10.5421, 10.8745, 14.1137



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.9182, 18.5031, 34.0271



30.1999, 28.6956, 61.0738



20.4009, 18.2627, 33.9026



6.3525, 6.5708, 8.3402



5.1764, 2.4443, 26.1062



0.1105, 0.0796, 0.4728

Inverse Universe

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



22.6061, 19.7218, 19.4456



38.1263, 31.4597, 29.7016



25.6155, 30.5222, 19.5809



6.6673, 6.6598, 7.0991



11.4110, 5.8690, 1.1493



0.2131, 0.1086, 0.0683

Previews

White Background



This preview shows how the XYZ color 18.9176, 18.5024, 34.0267 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 18.9176, 18.5024, 34.0267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

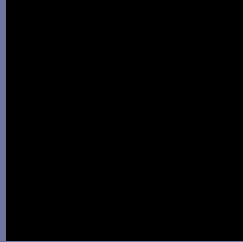
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9176, 18.5024, 34.0267

Background



This preview shows how black text looks on a background with the XYZ color 18.9176, 18.5024, 34.0267.



This preview shows how white text looks on a background with the XYZ color 18.9176, 18.5024,

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

18.9176, 18.5024, 34.0267

Protanopia

18.7859, 18.6084, 34.0541

Deuteranopia

18.9176, 18.5024, 34.0267



Tritanopia

17.0001, 18.6219, 24.1711

Trichromacy



Original Color

18.9176, 18.5024, 34.0267

Protanomaly

18.9096, 18.6722, 34.0599

Deuteranomaly

18.9176, 18.5024, 34.0267

Tritanomaly

17.6344, 18.5145, 27.4552

Monochromacy



Original Color

18.9176, 18.5024, 34.0267

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.1666, 18.6690, 24.8363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9176, 18.5024, 34.0267 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(111, 117, 156)` looks like.

```
.text, #text, p{  
    color:rgb(111, 117, 156)  
}
```

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(111, 117, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 117, 156) }
```

Border

The CSS property to change the border of an element to XYZ 18.9176, 18.5024, 34.0267 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(111, 117, 156) }
```


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

```
.border{ border-color:rgb(111, 117, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 117, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 117, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 117, 156);  
box-shadow:4px 4px 4px 4px rgb(111, 117,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9176, 18.5024, 34.0267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 117, 156) }
```

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

```
.background{ background-color: rgb(111,  
117, 156) }
```

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