

Converting Colors

XYZ(18.6419, 19.9065, 30.2998)

Have a look what the booklet for
XYZ(18.6419, 19.9065, 30.2998)
contains.

XYZ(18.6635, 19.8996, 30.4611)	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(18.6635, 19.8996,
30.4611)**

Conversions

Conversions Part 1

Format	Color
Hex	6B7D93
RGB	107, 125, 147
RGB Percent	42%, 49%, 58%
CMY	0.5804, 0.5098, 0.4235
CMYK	0.27, 0.15, 0.00, 0.42
HSL	213°, 16%, 50%
HSV	213°, 27%, 58%
XYZ	18.6635, 19.8996, 30.4611
YIQ	122.1260, -17.7900, 3.0260

Conversions

Conversions Part 2

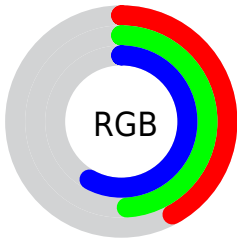
Format	Color
RYB	107, 119, 147
Decimal	7044499
CIELab	51.72, -1.29, -14.04
CIELCh	52, 14.100, 264.733
Yxy	19.8996, 0.2704, 0.2883
Android (android.graphics.Color)	4285234579 (0xFF6B7D93)
YUV	122.1260, 12.2629, -13.2655
Hunter-Lab	44.6090, -3.3849, -9.2597

Details

The XYZ color **18.6635, 19.8996, 30.4611** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **22.5371, 22.9654, 17.1555**, and the grayscale version is **18.5057, 19.4694, 21.2022**.

A 20% lighter version of the original color is **40.7611, 43.4288, 61.4926**, and **6.4407, 6.9130, 12.0612** is the 20% darker color. If you saturate the color by 10%, you get **16.0621, 17.1009, 30.0583**, and if you desaturate by 10%, it is **21.6499, 23.0214, 30.9066**.

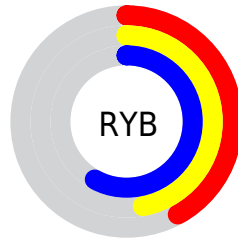
Distribution



Red (42%)

Green (49%)

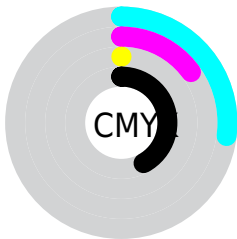
Blue (58%)



Red (42%)

Yellow (47%)

Blue (58%)

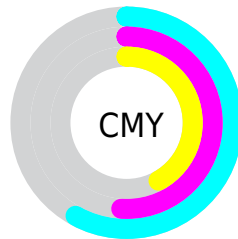


Cyan (27%)

Magenta (15%)

Yellow (0%)

Black (42%)



Cyan (58%)

Magenta (51%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6635, 19.8996, 30.4611 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 18.6635, 19.8996, 30.4611 by changing the saturation by 10% instead.

■ 18.6635, 19.8996,
30.4611

■ 18.6635, 19.8996,
30.4611

237.5587,
251.3711, 318.3218

■ 11.5299, 12.3221,
19.9338

■ 40.6860, 43.2488,
61.4602

■ 6.4944, 6.9634,
12.1633

■ 56.3057, 59.7893,
82.7691

■ 3.1915, 3.4392,
6.7311

■ 75.4847, 80.0862,
108.5090

■ 1.2558, 1.3651,
3.2186

■ 98.5886, 104.5239,
139.0984

■ 0.1498, 0.1908,
1.2073

125.9825,
133.4869, 174.9559

■ 0.0000, 0.0000,
0.0000

158.0319,

167.3595, 216.4999

195.1022,
206.5261, 264.1490

■ 18.6635, 19.8996,
30.4611

■ 18.6635, 19.8996,
30.4611

■ 16.0621, 17.1009,
30.0583

■ 21.6499, 23.0214,
30.9066

■ 13.8267, 14.6112,
29.6956

■ 25.0356, 26.4751,
31.3948

■ 11.9394, 12.4187,
29.3719

■ 28.8361, 30.2719,
31.9273

■ 10.3799, 10.5097,
29.0856

■ 33.0658, 34.4219,
32.5054

■ 9.1253, 8.8692,
28.8351

■ 37.7383, 38.9346,
33.1302

■ 8.1498, 7.4803,
28.6184

■ 42.8663, 43.8192,
33.8027

■ 7.4098, 6.3170,
28.4329

■ 48.4624, 49.0844,
34.5241

■ 7.2237, 6.0210,
28.3855

■ 54.5385, 54.7390,
35.2953

■ 61.1059, 60.7909,
36.1173

Harmonies

Analogous

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



17.3752, 19.8996, 28.7287



18.6635, 19.8996, 30.4611



20.0840, 19.8996, 29.6072

Triad

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



18.6635, 19.8996, 30.4611



21.5141, 19.8996, 18.5463



16.7633, 19.8996, 17.4438

Complementary

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



18.6635, 19.8996, 30.4611



22.5371, 22.9654, 17.1555

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.



17.7903, 19.8996, 15.2913



18.6635, 19.8996, 30.4611



20.5410, 19.8996, 15.8696

Square

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



18.6635, 19.8996, 30.4611



21.7766, 19.8996, 22.3958



19.1667, 19.8996, 14.7532



16.3139, 19.8996, 20.9547

Rectangle

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



18.6635, 19.8996, 30.4611



20.9093, 19.8996, 27.7355



19.1667, 19.8996, 14.7532



17.0498, 19.8996, 16.5558

Sweetspot

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



18.6641, 19.9004, 30.4616



44.2242, 46.7960, 56.1362



20.4159, 25.5610, 24.3955



9.8932, 10.4777, 12.7858



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.6641, 19.9004, 30.4616



30.3335, 32.3309, 54.0763



16.7497, 15.8317, 29.7771



5.7015, 6.0370, 7.3345



6.2866, 5.2681, 24.6165



0.1057, 0.1220, 0.3109

Inverse Universe

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



20.9925, 18.1997, 21.8093



35.3325, 29.0017, 35.4282



24.8828, 28.0098, 18.0055



5.9028, 5.8562, 6.5942



11.3003, 5.7252, 5.0623



0.1528, 0.0759, 0.1384

Previews

White Background



This preview shows how the XYZ color 18.6635, 19.8996, 30.4611 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 18.6635, 19.8996, 30.4611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

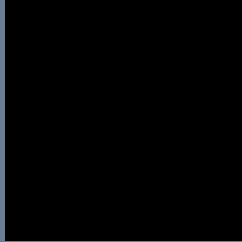
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6635, 19.8996, 30.4611

Background



This preview shows how black text looks on a background with the XYZ color 18.6635, 19.8996, 30.4611.



This preview shows how white text looks on a background with the XYZ color 18.6635, 19.8996,

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

18.6635, 19.8996, 30.4611

Protanopia

19.6781, 19.8853, 29.5892

Deuteranopia

20.2301, 19.7820, 30.7690



Tritanopia

17.9304, 19.9881, 26.5800

Trichromacy



Original Color

18.6635, 19.8996, 30.4611

Protanomaly

19.3415, 19.8861, 30.0131

Deuteranomaly

19.6409, 19.8391, 30.8111

Tritanomaly

18.2124, 19.9090, 28.0822

Monochromacy



Original Color

18.6635, 19.8996, 30.4611

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.5158, 19.5865, 24.2774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6635, 19.8996, 30.4611 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(107, 125, 147)` looks like.

```
.text, #text, p{  
    color:rgb(107, 125, 147)  
}
```

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(107, 125, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 125, 147) }
```

Border

The CSS property to change the border of an element to XYZ 18.6635, 19.8996, 30.4611 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(107, 125, 147) }
```


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

```
.border{ border-color:rgb(107, 125, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 125, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 125, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 125, 147);  
box-shadow:4px 4px 4px 4px rgb(107, 125,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6635, 19.8996, 30.4611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 125, 147) }
```

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

```
.background{ background-color: rgb(107,  
125, 147) }
```

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