

Converting Colors

XYZ(18.8735, 21.4678, 35.4967)

Have a look what the booklet for
XYZ(18.8735, 21.4678, 35.4967)
contains.

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Color

**XYZ(18.8735, 21.4678,
35.4967)**

Conversions

Conversions Part 1

Format	Color
Hex	5B859E
RGB	91, 133, 158
RGB Percent	36%, 52%, 62%
CMY	0.6431, 0.4784, 0.3804
CMYK	0.42, 0.16, 0.00, 0.38
HSL	202°, 27%, 49%
HSV	202°, 42%, 62%
XYZ	18.8735, 21.4678, 35.4967
YIQ	123.2920, -33.0570, -1.1290

Conversions

Conversions Part 2

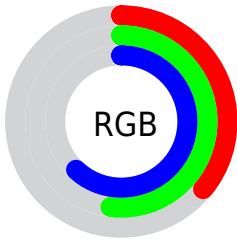
Format	Color
R _Y B	91, 117, 158
Decimal	5997982
CIE Lab	53.46, -7.68, -17.89
CIE LCh	53, 19.474, 246.762
Yxy	21.4678, 0.2489, 0.2831
Android (android.graphics.Color)	4284188062 (0xFF5B859E)
YUV	123.2920, 17.1110, -28.3201
Hunter-Lab	46.3334, -8.3729, -12.9896

Details

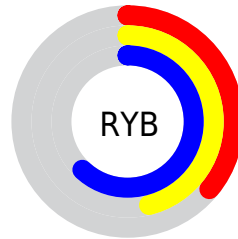
The XYZ color **18.8735, 21.4678, 35.4967** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **22.2348, 20.5159, 12.6864**, and the grayscale version is **18.8768, 19.8599, 21.6274**.

A 20% lighter version of the original color is **41.0707, 45.8512, 69.6363**, and **6.6609, 7.8335, 15.0709** is the 20% darker color. If you saturate the color by 10%, you get **16.6924, 19.1790, 35.1703**, and if you desaturate by 10%, it is **21.4293, 24.0179, 35.8546**.

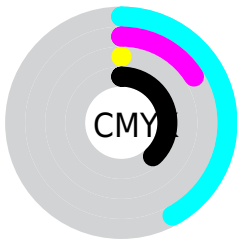
Distribution



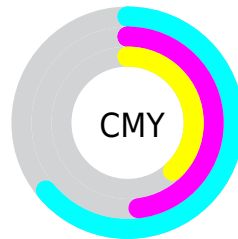
- Red (36%)
- Green (52%)
- Blue (62%)



- Red (36%)
- Yellow (46%)
- Blue (62%)



- Cyan (42%)
- Magenta (16%)
- Yellow (0%)
- Black (38%)



- Cyan (64%)
- Magenta (48%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8735, 21.4678, 35.4967 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 18.8735, 21.4678, 35.4967 by changing the saturation by 10% instead.

■ 18.8735, 21.4678,
35.4967

■ 18.8735, 21.4678,
35.4967

238.7011,
259.7542, 341.7260

■ 11.6824, 13.4664,
23.7591

■ 41.0388, 45.8648,
69.4148

■ 6.5984, 7.7505,
14.9445

■ 56.7436, 63.0292,
92.4324

■ 3.2563, 3.9357,
8.6342

■ 76.0171, 84.0166,
120.0471

■ 1.2907, 1.6377,
4.4099

■ 99.2245, 109.2116,
152.6775

■ 0.1763, 0.3828,
1.8528

126.7313,
138.9984, 190.7420

■ 0.0000, 0.0000,
0.4624

158.9027,

■ 0.0000, 0.0000,

173.7616, 234.6592

0.0000

196.1042,
213.8854, 284.8477

■ 18.8735, 21.4678,
35.4967

■ 18.8735, 21.4678,
35.4967

■ 16.6924, 19.1790,
35.1703

■ 21.4293, 24.0179,
35.8546

■ 14.8623, 17.1370,
34.8726

■ 24.3772, 26.8381,
36.2436

■ 13.3602, 15.3290,
34.6028

■ 27.7364, 29.9395,
36.6652

■ 12.1587, 13.7399,
34.3594

■ 31.5236, 33.3321,
37.1204

■ 11.2259, 12.3520,
34.1406

■ 35.7550, 37.0251,
37.6102

■ 10.6378, 11.4010,
33.9881

■ 40.4457, 41.0272,
38.1354

■ 45.6101, 45.3468,
38.6970

■ 51.2620, 49.9920,
39.2957

■ 57.4145, 54.9704,
39.9324

Harmonies

Analogous

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



17.3780, 21.4678, 30.8854



18.8735, 21.4678, 35.4967



20.8769, 21.4678, 36.6259

Triad

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



18.8735, 21.4678, 35.4967



24.6194, 21.4678, 22.0576



18.1130, 21.4678, 15.3777

Complementary

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



18.8735, 21.4678, 35.4967



22.2348, 20.5159, 12.6864

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.



19.9392, 21.4678, 13.7810



18.8735, 21.4678, 35.4967



23.7635, 21.4678, 17.1926

Square

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



18.8735, 21.4678, 35.4967



24.2862, 21.4678, 28.1688



22.0161, 21.4678, 14.3843



16.9601, 21.4678, 19.1581

Rectangle

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



18.8735, 21.4678, 35.4967



22.2505, 21.4678, 35.1065



22.0161, 21.4678, 14.3843



18.6636, 21.4678, 14.5998

Sweetspot

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



18.8742, 21.4686, 35.4972



49.8197, 53.8700, 66.5156



19.6691, 27.9293, 20.7461



10.9310, 11.8699, 14.9586



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.



18.8742, 21.4686, 35.4972



30.4614, 34.9889, 63.8915



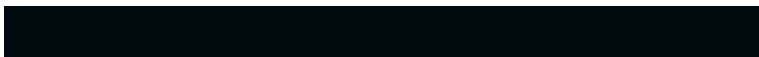
15.0375, 13.7952, 34.2183



6.6137, 7.0931, 8.4272



8.5583, 9.2082, 27.2335



0.1925, 0.2436, 0.5001

Inverse Universe

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



22.0759, 16.4455, 24.2018



37.2783, 25.3478, 39.6056



26.7474, 29.5409, 14.1906



6.7991, 6.7126, 7.7931



13.1181, 6.5518, 10.1386



0.2545, 0.1251, 0.2862

Previews

White Background



This preview shows how the XYZ color 18.8735, 21.4678, 35.4967 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 18.8735, 21.4678, 35.4967 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 18.8735, 21.4678, 35.4967

Background



This preview shows how black text looks on a background with the XYZ color 18.8735, 21.4678, 35.4967.



This preview shows how white text looks on a background with the XYZ color 18.8735, 21.4678,

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

18.8735, 21.4678, 35.4967

Protanopia

21.0958, 21.2866, 33.1338

Deuteranopia

21.8472, 21.4163, 36.2400



Tritanopia

17.8768, 21.4780, 30.3976

Trichromacy



Original Color

18.8735, 21.4678, 35.4967

Protanomaly

20.1971, 21.3821, 34.0730

Deuteranomaly

20.5327, 21.3211, 35.8341

Tritanomaly

18.1499, 21.3760, 32.0235

Monochromacy



Original Color

18.8735, 21.4678, 35.4967

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.5889, 20.3358, 26.2380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8735, 21.4678, 35.4967 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(91, 133, 158) looks like.

```
.text, #text, p{  
    color:rgb(91, 133, 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(91, 133, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 133, 158) }
```

Border

The CSS property to change the border of an element to XYZ 18.8735, 21.4678, 35.4967 is called "border". The border property can be set on classes, ids or directly on the HTML element.

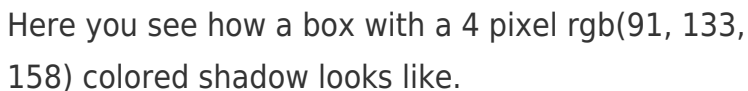
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 133, 158) }
```


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

```
.border{ border-color:rgb(91, 133, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 133, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 133, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 133, 158);  
box-shadow:4px 4px 4px 4px rgb(91, 133,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8735, 21.4678, 35.4967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 133, 158) }
```

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

```
.background{ background-color: rgb(91, 133,  
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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