

Converting Colors

XYZ(18.7771, 20.9293, 35.5016)

Have a look what the booklet for
XYZ(18.7771, 20.9293, 35.5016)
contains.

XYZ(18.8021, 21.0284, 35.4157)	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(18.8021, 21.0284,
35.4157)**

Conversions

Conversions Part 1

Format	Color
Hex	5D839E
RGB	93, 131, 158
RGB Percent	36%, 51%, 62%
CMY	0.6353, 0.4863, 0.3804
CMYK	0.41, 0.17, 0.00, 0.38
HSL	205°, 26%, 49%
HSV	205°, 41%, 62%
XYZ	18.8021, 21.0284, 35.4157
YIQ	122.7160, -31.3150, 0.3410

Conversions

Conversions Part 2

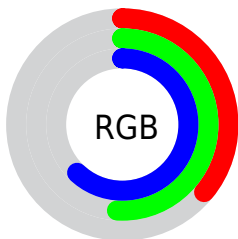
Format	Color
R _Y B	93, 117, 158
Decimal	6128542
CIE Lab	52.98, -6.00, -18.61
CIE LCh	53, 19.554, 252.146
Yxy	21.0284, 0.2499, 0.2795
Android (android.graphics.Color)	4284318622 (0xFF5D839E)
YUV	122.7160, 17.3950, -26.0609
Hunter-Lab	45.8567, -7.0610, -13.6907

Details

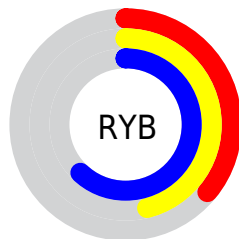
The XYZ color **18.8021, 21.0284, 35.4157** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **22.7933, 21.4929, 13.3039**, and the grayscale version is **18.6858, 19.6589, 21.4086**.

A 20% lighter version of the original color is **41.0048, 45.1961, 69.5133**, and **6.6260, 7.5884, 15.0254** is the 20% darker color. If you saturate the color by 10%, you get **16.5115, 18.5806, 35.0643**, and if you desaturate by 10%, it is **21.4804, 23.7599, 35.8021**.

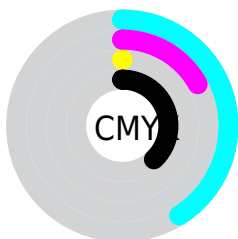
Distribution



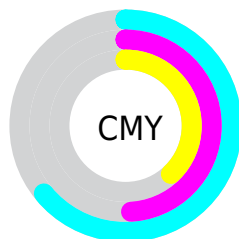
- Red (36%)
- Green (51%)
- Blue (62%)



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



- Cyan (41%)
- Magenta (17%)
- Yellow (0%)
- Black (38%)



- Cyan (64%)
- Magenta (49%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8021, 21.0284, 35.4157 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 18.8021, 21.0284, 35.4157 by changing the saturation by 10% instead.

■ 18.8021, 21.0284,
35.4157

■ 18.8021, 21.0284,
35.4157

238.3132,
257.4294, 341.3593

■ 11.6305, 13.1448,
23.6972

■ 40.9189, 45.1348,
69.2881

■ 6.5630, 7.5283,
14.8990

■ 56.5948, 62.1263,
92.2791

■ 3.2342, 3.7946,
8.6027

■ 75.8362, 82.9226,
119.8646

■ 1.2788, 1.5594,
4.3897

■ 99.0085, 107.9081,
152.4632

■ 0.1673, 0.3300,
1.8415

126.4770,
137.4671, 190.4934

■ 0.0000, 0.0000,
0.4551

158.6070,

■ 0.0000, 0.0000,

171.9841, 234.3738

0.0000

195.7640,
211.8434, 284.5229

■ 18.8021, 21.0284,
35.4157

■ 18.8021, 21.0284,
35.4157

■ 16.5115, 18.5806,
35.0643

■ 21.4804, 23.7599,
35.8021

■ 14.5849, 16.4014,
34.7452

■ 24.5640, 26.7843,
36.2234

■ 12.9992, 14.4777,
34.4575

■ 28.0720, 30.1132,
36.6810

■ 11.7275, 12.7941,
34.1996

■ 32.0214, 33.7570,
37.1762

■ 10.7380, 11.3325,
33.9696

■ 36.4285, 37.7253,
37.7099

■ 10.0310, 10.1874,
33.7858

■ 41.3085, 42.0274,
38.2831

■ 46.6760, 46.6720,
38.8967

■ 52.5449, 51.6677,
39.5516

■ 58.9285, 57.0225,
40.2487

Harmonies

Analogous

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



17.2034, 21.0284, 31.3412



18.8021, 21.0284, 35.4157



20.8281, 21.0284, 35.8064

Triad

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



18.8021, 21.0284, 35.4157



24.0950, 21.0284, 20.6015



17.4559, 21.0284, 15.5023

Complementary

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



18.8021, 21.0284, 35.4157



22.7933, 21.4929, 13.3039

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.



19.1686, 21.0284, 13.5354



18.8021, 21.0284, 35.4157



23.0554, 21.0284, 16.1236

Square

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



18.8021, 21.0284, 35.4157



23.9801, 21.0284, 26.5362



21.2204, 21.0284, 13.7414



16.4635, 21.0284, 19.6055

Rectangle

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



18.8021, 21.0284, 35.4157



22.1593, 21.0284, 33.8511



21.2204, 21.0284, 13.7414



17.9613, 21.0284, 14.6037

Sweetspot

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



18.8028, 21.0292, 35.4162



50.2406, 53.9941, 66.5174



20.0715, 28.1133, 21.8220



11.1465, 12.0036, 14.9731



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.



18.8028, 21.0292, 35.4162



30.4402, 34.2407, 63.7482



15.1958, 13.8153, 34.2139



6.5907, 7.0471, 8.4195



8.0732, 8.2380, 27.0718



0.1855, 0.2295, 0.4978

Inverse Universe

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



22.1123, 16.7372, 23.5387



37.4399, 26.0721, 38.4230



27.2241, 30.3544, 14.7808



6.7875, 6.7079, 7.7320



12.8732, 6.4538, 8.8492



0.2509, 0.1237, 0.2675

Previews

White Background



This preview shows how the XYZ color 18.8021, 21.0284, 35.4157 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 18.8021, 21.0284, 35.4157 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 18.8021, 21.0284, 35.4157

Background



This preview shows how black text looks on a background with the XYZ color 18.8021, 21.0284, 35.4157.



This preview shows how white text looks on a background with the XYZ color 18.8021, 21.0284,

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

18.8021, 21.0284, 35.4157

Protanopia

20.9121, 20.9934, 33.5218

Deuteranopia

21.4380, 21.0183, 36.1847



Tritanopia

17.5414, 20.9125, 29.4975

Trichromacy



Original Color

18.8021, 21.0284, 35.4157

Protanomaly

19.9362, 20.8603, 33.9860

Deuteranomaly

20.4029, 21.0615, 35.7908

Tritanomaly

17.8925, 20.8461, 31.5144

Monochromacy



Original Color

18.8021, 21.0284, 35.4157

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.5869, 20.1440, 26.2011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8021, 21.0284, 35.4157 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(93, 131, 158)` looks like.

```
.text, #text, p{  
    color:rgb(93, 131, 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(93, 131, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 131, 158) }
```

Border

The CSS property to change the border of an element to XYZ 18.8021, 21.0284, 35.4157 is called "border". The border property can be set on classes, ids or directly on the HTML element.

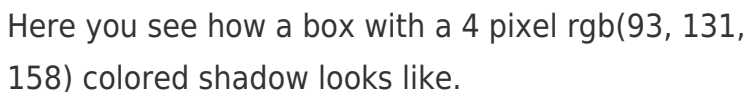
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 131, 158) }
```


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

```
.border{ border-color:rgb(93, 131, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(93, 131, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(93, 131, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(93, 131, 158); box-shadow:4px 4px 4px 4px rgb(93, 131, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8021, 21.0284, 35.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 131, 158) }
```

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

```
.background{ background-color: rgb(93, 131,  
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](#).

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