

Converting Colors

XYZ(18.6641, 21.1638, 35.4942)

Have a look what the booklet for
XYZ(18.6641, 21.1638, 35.4942)
contains.

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Color

**XYZ(18.6393, 21.1448,
35.4467)**

Conversions

Conversions Part 1

Format	Color
Hex	5A849E
RGB	90, 132, 158
RGB Percent	35%, 52%, 62%
CMY	0.6470, 0.4823, 0.3804
CMYK	0.43, 0.16, 0.00, 0.38
HSL	203°, 27%, 49%
HSV	203°, 43%, 62%
XYZ	18.6393, 21.1448, 35.4467
YIQ	122.4060, -33.3780, -0.8180

Conversions

Conversions Part 2

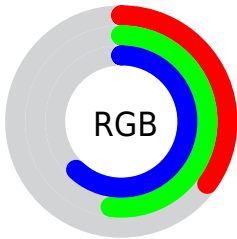
Format	Color
R _Y B	90, 116, 158
Decimal	5932190
CIE Lab	53.11, -7.39, -18.43
CIE LCh	53, 19.858, 248.165
Yxy	21.1448, 0.2478, 0.2811
Android (android.graphics.Color)	4284122270 (0xFF5A849E)
YUV	122.4060, 17.5478, -28.4201
Hunter-Lab	45.9835, -8.1165, -13.5157

Details

The XYZ color **18.6393, 21.1448, 35.4467** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **22.1920, 20.4987, 12.4606**, and the grayscale version is **18.5842, 19.5520, 21.2922**.

A 20% lighter version of the original color is **40.6869, 45.3417, 69.5582**, and **6.5464, 7.6601, 15.0434** is the 20% darker color. If you saturate the color by 10%, you get **16.4672, 18.8443, 35.1175**, and if you desaturate by 10%, it is **21.1869, 23.7102, 35.8080**.

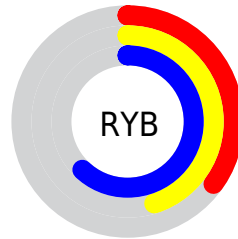
Distribution



Red (35%)

Green (52%)

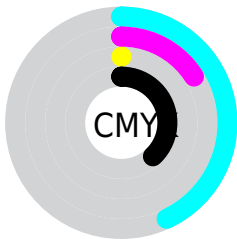
Blue (62%)



Red (35%)

Yellow (45%)

Blue (62%)

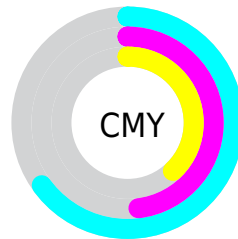


Cyan (43%)

Magenta (16%)

Yellow (0%)

Black (38%)



Cyan (65%)

Magenta (48%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6393, 21.1448, 35.4467 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 18.6393, 21.1448, 35.4467 by changing the saturation by 10% instead.

■ 18.6393, 21.1448,
35.4467

■ 18.6393, 21.1448,
35.4467

237.4267,
258.0470, 341.4996

■ 11.5124, 13.2299,
23.7209

■ 40.6453, 45.3284,
69.3366

■ 6.4824, 7.5870,
14.9164

■ 56.2551, 62.3659,
92.3378

■ 3.1840, 3.8319,
8.6148

■ 75.4233, 83.2130,
119.9344

■ 1.2518, 1.5800,
4.3974

■ 98.5151, 108.2541,
152.5452

■ 0.1467, 0.3440,
1.8458

125.8961,
137.8737, 190.5885

■ 0.0000, 0.0000,
0.4579

157.9314,

■ 0.0000, 0.0000,

172.4561, 234.4830

0.0000

194.9865,
212.3858, 284.6472

■ 18.6393, 21.1448,
35.4467

■ 18.6393, 21.1448,
35.4467

■ 16.4672, 18.8443,
35.1175

■ 21.1869, 23.7102,
35.8080

■ 14.6469, 16.7940,
34.8177

■ 24.1277, 26.5495,
36.2010

■ 13.1550, 14.9810,
34.5464

■ 27.4809, 29.6740,
36.6274

■ 11.9639, 13.3899,
34.3021

■ 31.2635, 33.0937,
37.0881

■ 11.0411, 12.0026,
34.0829

■ 35.4916, 36.8180,
37.5841

■ 10.5010, 11.1274,
33.9425

■ 40.1806, 40.8559,
38.1163

■ 45.3449, 45.2157,
38.6857

■ 50.9983, 49.9056,
39.2930

■ 57.1541, 54.9336,
39.9390

Harmonies

Analogous

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



17.1001, 21.1448, 30.8938



18.6393, 21.1448, 35.4467



20.6737, 21.1448, 36.4007

Triad

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



18.6393, 21.1448, 35.4467



24.3444, 21.1448, 21.4267



17.7147, 21.1448, 15.1067

Complementary

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



18.6393, 21.1448, 35.4467



22.1920, 20.4987, 12.4606

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.



19.5321, 21.1448, 13.4050



18.6393, 21.1448, 35.4467



23.4262, 21.1448, 16.6175

Square

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



18.6393, 21.1448, 35.4467



24.0641, 21.1448, 27.5754



21.6298, 21.1448, 13.9056



16.5926, 21.1448, 19.0016

Rectangle

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



18.6393, 21.1448, 35.4467



22.0550, 21.1448, 34.7353



21.6298, 21.1448, 13.9056



18.2594, 21.1448, 14.2929

Sweetspot

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



18.6400, 21.1456, 35.4472



49.7637, 53.7580, 66.4969



19.5346, 27.8642, 20.5491



10.9165, 11.8410, 14.9538



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.



18.6400, 21.1456, 35.4472



29.9114, 34.2288, 63.7738



14.8569, 13.5794, 34.1862



6.6086, 7.0830, 8.4255



8.4490, 8.9896, 27.1971



0.1910, 0.2405, 0.4996

Inverse Universe

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



21.9222, 16.2481, 23.8114



36.9177, 24.8859, 38.6862



26.6834, 29.4816, 13.9578



6.7965, 6.7115, 7.7797



13.0629, 6.5297, 9.8480



0.2537, 0.1248, 0.2821

Previews

White Background



This preview shows how the XYZ color 18.6393, 21.1448, 35.4467 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 18.6393, 21.1448, 35.4467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

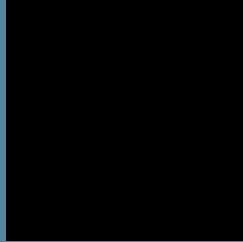
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

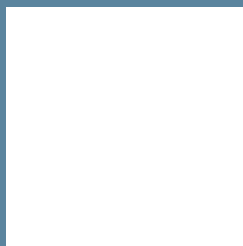
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6393, 21.1448, 35.4467

Background



This preview shows how black text looks on a background with the XYZ color 18.6393, 21.1448, 35.4467.

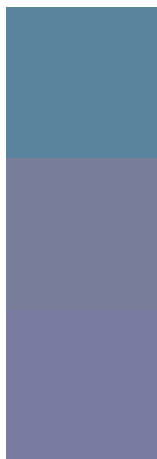


This preview shows how white text looks on a background with the XYZ color 18.6393, 21.1448,

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

18.6393, 21.1448, 35.4467

Protanopia

20.8291, 20.9602, 33.0849

Deuteranopia

21.4380, 21.0183, 36.1847



Tritanopia

17.4737, 21.0730, 29.9346

Trichromacy



Original Color

18.6393, 21.1448, 35.4467

Protanomaly

19.9422, 21.0561, 34.0235

Deuteranomaly

20.2778, 20.9969, 35.7849

Tritanomaly

17.8230, 21.0033, 31.9688

Monochromacy



Original Color

18.6393, 21.1448, 35.4467

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.2644, 19.9860, 25.8167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6393, 21.1448, 35.4467 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(90, 132, 158)` looks like.

```
.text, #text, p{  
    color:rgb(90, 132, 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(90, 132, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 132, 158) }
```

Border

The CSS property to change the border of an element to XYZ 18.6393, 21.1448, 35.4467 is called "border". The border property can be set on classes, ids or directly on the HTML element.

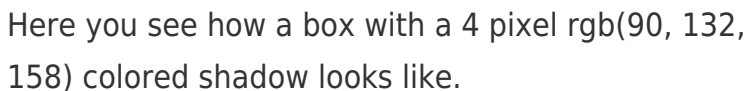
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(90, 132, 158) }
```


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

```
.border{ border-color:rgb(90, 132, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(90, 132, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(90, 132, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(90, 132, 158); box-shadow:4px 4px 4px 4px rgb(90, 132, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6393, 21.1448, 35.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 132, 158) }
```

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

```
.background{ background-color: rgb(90, 132,  
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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