

Converting Colors

XYZ(18.1343, 21.2732, 36.7070)

Have a look what the booklet for
XYZ(18.1343, 21.2732, 36.7070)
contains.

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Color

**XYZ(18.1826, 21.2857,
36.8684)**

Conversions

Conversions Part 1

Format	Color
Hex	4F86A1
RGB	79, 134, 161
RGB Percent	31%, 53%, 63%
CMY	0.6902, 0.4745, 0.3686
CMYK	0.51, 0.17, 0.00, 0.37
HSL	200°, 34%, 47%
HSV	200°, 51%, 63%
XYZ	18.1826, 21.2857, 36.8684
YIQ	120.6330, -41.4470, -3.2630

Conversions

Conversions Part 2

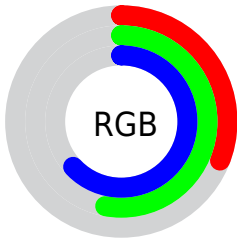
Format	Color
R _Y B	79, 112, 161
Decimal	5211809
CIE Lab	53.26, -10.44, -19.98
CIE LCh	53, 22.546, 242.421
Yxy	21.2857, 0.2382, 0.2788
Android (android.graphics.Color)	4283401889 (0xFF4F86A1)
YUV	120.6330, 19.9009, -36.5121
Hunter-Lab	46.1364, -10.3910, -15.0841

Details

The XYZ color **18.1826, 21.2857, 36.8684** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.2638, 18.4503, 9.8385**, and the grayscale version is **18.0038, 18.9414, 20.6272**.

A 20% lighter version of the original color is **39.8379, 45.4851, 71.6456**, and **6.1992, 7.5832, 15.6050** is the 20% darker color. If you saturate the color by 10%, you get **16.2878, 19.2487, 36.5755**, and if you desaturate by 10%, it is **20.4399, 23.5650, 37.1898**.

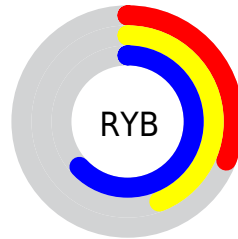
Distribution



Red (31%)

Green (53%)

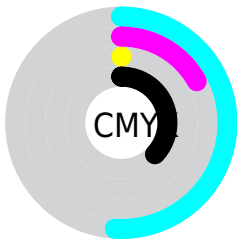
Blue (63%)



Red (31%)

Yellow (44%)

Blue (63%)

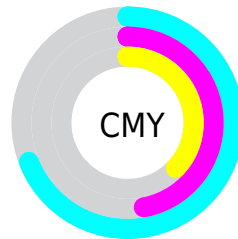


Cyan (51%)

Magenta (17%)

Yellow (0%)

Black (37%)



Cyan (69%)

Magenta (47%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1826, 21.2857, 36.8684 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 18.1826, 21.2857, 36.8684 by changing the saturation by 10% instead.

■ 18.1826, 21.2857,
36.8684

■ 18.1826, 21.2857,
36.8684

234.9240,
258.7930, 347.8919

■ 11.1816, 13.3330,
24.8106

■ 39.8759, 45.5625,
71.5544

■ 6.2573, 7.6583,
15.7183

■ 55.2989, 62.6555,
95.0197

■ 3.0443, 3.8771,
9.1728

■ 74.2600, 83.5639,
123.1246

■ 1.1772, 1.6050,
4.7557

■ 97.1245, 108.6723,
156.2876

■ 0.0883, 0.3610,
2.0484

■ 124.2578,
138.3650, 194.9274

■ 0.0000, 0.0000,
0.5848

156.0253,

■ 0.0000, 0.0000,

173.0264, 239.4623

0.0000

192.7922,
213.0409, 290.3110

■ 18.1826, 21.2857,
36.8684

■ 18.1826, 21.2857,
36.8684

■ 16.2878, 19.2487,
36.5755

■ 20.4399, 23.5650,
37.1898

■ 14.7290, 17.4383,
36.3082

■ 23.0795, 26.0962,
37.5392

■ 13.4794, 15.8401,
36.0656

■ 26.1222, 28.8913,
37.9184

■ 12.5063, 14.4366,
35.8460

■ 29.5867, 31.9607,
38.3282

■ 11.7945, 13.2961,
35.6633

■ 33.4905, 35.3140,
38.7697

■ 37.8499, 38.9604,
39.2438

■ 42.6804, 42.9087,
39.7513

■ 47.9968, 47.1672,
40.2930

■ 53.8132, 51.7437,
40.8698

Harmonies

Analogous

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



16.6035, 21.2857, 30.9512



18.1826, 21.2857, 36.8684



20.4257, 21.2857, 38.9221

Triad

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



18.1826, 21.2857, 36.8684



25.1654, 21.2857, 22.6264



17.8721, 21.2857, 13.7674

Complementary

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



18.1826, 21.2857, 36.8684



21.2638, 18.4503, 9.8385

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.



20.0384, 21.2857, 12.3792



18.1826, 21.2857, 36.8684



24.3526, 21.2857, 16.8267

Square

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



18.1826, 21.2857, 36.8684



24.5724, 21.2857, 29.8009



22.4286, 21.2857, 13.3792



16.4344, 21.2857, 17.6146

Rectangle

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



18.1826, 21.2857, 36.8684



22.0306, 21.2857, 37.5530



22.4286, 21.2857, 13.3792



18.5330, 21.2857, 13.0361

Sweetspot

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



18.1833, 21.2865, 36.8689



50.1915, 54.7844, 68.3156



18.5180, 28.1717, 17.8181



10.7406, 11.7781, 14.9510



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.



18.1833, 21.2865, 36.8689



28.7990, 34.0570, 65.4423



13.6639, 12.2476, 35.3624



7.0786, 7.6163, 9.0001



9.4581, 10.6957, 28.4958



0.2391, 0.3055, 0.6122

Inverse Universe

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



21.7976, 14.8910, 24.2805



36.2907, 22.3305, 39.0062



26.3835, 28.6896, 11.5450



7.2647, 7.1623, 8.3802



13.9195, 6.9239, 12.0326



0.3129, 0.1536, 0.3601

Previews

White Background



This preview shows how the XYZ color 18.1826, 21.2857, 36.8684 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 18.1826, 21.2857, 36.8684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

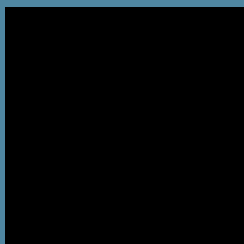
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.1826, 21.2857, 36.8684

Background



This preview shows how black text looks on a background with the XYZ color 18.1826, 21.2857, 36.8684.



This preview shows how white text looks on a background with the XYZ color 18.1826, 21.2857,

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

18.1826, 21.2857, 36.8684

Protanopia

20.9957, 21.0269, 33.9623

Deuteranopia

21.5642, 21.0527, 37.5774



Tritanopia

16.8947, 21.1707, 30.7997

Trichromacy



Original Color

18.1826, 21.2857, 36.8684

Protanomaly

19.6307, 20.8759, 34.8931

Deuteranomaly

20.0665, 21.0502, 37.1879

Tritanomaly

17.3120, 21.1314, 32.8721

Monochromacy



Original Color

18.1826, 21.2857, 36.8684

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.8486, 19.7635, 26.1666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1826, 21.2857, 36.8684 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(79, 134, 161)` looks like.

```
.text, #text, p{  
    color:rgb(79, 134, 161)  
}
```

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(79, 134, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 134, 161) }
```

Border

The CSS property to change the border of an element to XYZ 18.1826, 21.2857, 36.8684 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(79, 134, 161) }
```


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

```
.border{ border-color:rgb(79, 134, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 134, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 134, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 134, 161);  
box-shadow:4px 4px 4px 4px rgb(79, 134,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1826, 21.2857, 36.8684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 134, 161) }
```

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

```
.background{ background-color: rgb(79, 134,  
161) }
```

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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