

Converting Colors

XYZ(18.4280, 21.2910, 38.3002)

Have a look what the booklet for
XYZ(18.4280, 21.2910, 38.3002)
contains.

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Color

**XYZ(18.4504, 21.3928,
38.2787)**

Conversions

Conversions Part 1

Format	Color
Hex	4F86A4
RGB	79, 134, 164
RGB Percent	31%, 53%, 64%
CMY	0.6902, 0.4745, 0.3569
CMYK	0.52, 0.18, 0.00, 0.36
HSL	201°, 35%, 48%
HSV	201°, 52%, 64%
XYZ	18.4504, 21.3928, 38.2787
YIQ	120.9750, -42.4100, -2.3300

Conversions

Conversions Part 2

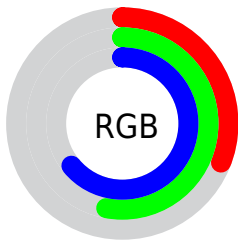
Format	Color
R _Y B	79, 112, 164
Decimal	5211812
CIE Lab	53.38, -9.53, -21.54
CIE LCh	53, 23.554, 246.132
Yxy	21.3928, 0.2362, 0.2738
Android (android.graphics.Color)	4283401892 (0xFF4F86A4)
YUV	120.9750, 21.2113, -36.8121
Hunter-Lab	46.2524, -9.7367, -16.6921

Details

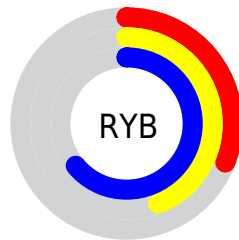
The XYZ color **18.4504, 21.3928, 38.2787** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **22.1904, 19.3950, 9.9720**, and the grayscale version is **18.1100, 19.0532, 20.7489**.

A 20% lighter version of the original color is **40.2294, 45.6417, 73.7072**, and **6.3444, 7.6391, 16.4693** is the 20% darker color. If you saturate the color by 10%, you get **16.4727, 19.2183, 37.9636**, and if you desaturate by 10%, it is **20.8098, 23.8299, 38.6252**.

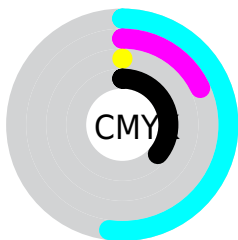
Distribution



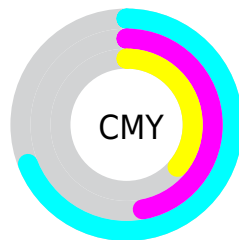
- Red (31%)
- Green (53%)
- Blue (64%)



- Red (31%)
- Yellow (44%)
- Blue (64%)



- Cyan (52%)
- Magenta (18%)
- Yellow (0%)
- Black (36%)



- Cyan (69%)
- Magenta (47%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4504, 21.3928, 38.2787 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 18.4504, 21.3928, 38.2787 by changing the saturation by 10% instead.

■ 18.4504, 21.3928,
38.2787

■ 18.4504, 21.3928,
38.2787

236.3944,
259.3587, 354.1480

■ 11.3755, 13.4114,
25.8956

■ 40.3274, 45.7404,
73.7433

■ 6.3891, 7.7125,
16.5205

■ 55.8602, 62.8753,
97.6618

■ 3.1260, 3.9115,
9.7349

■ 74.9430, 83.8303,
126.2625

■ 1.2207, 1.6242,
5.1202

■ 97.9411, 108.9896,
159.9639

■ 0.1227, 0.3738,
2.2580

■ 125.2200,
138.7377, 199.1847

■ 0.0000, 0.0000,
0.7075

157.1449,

■ 0.0000, 0.0000,

173.4590, 244.3432

0.0000

194.0813,
213.5379, 295.8582

■ 18.4504, 21.3928,
38.2787

■ 18.4504, 21.3928,
38.2787

■ 16.4727, 19.2183,
37.9636

■ 20.8098, 23.8299,
38.6252

■ 14.8488, 17.2898,
37.6770

■ 23.5722, 26.5404,
39.0027

■ 13.5498, 15.5917,
37.4177

■ 26.7595, 29.5369,
39.4131

■ 12.5409, 14.1050,
37.1839

■ 30.3916, 32.8307,
39.8575

■ 11.8672, 13.0129,
37.0086

■ 34.4869, 36.4322,
40.3368

■ 39.0628, 40.3512,
40.8520

■ 44.1356, 44.5972,
41.4042

■ 49.7211, 49.1791,
41.9942

■ 55.8342, 54.1054,
42.6229

Harmonies

Analogous

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



16.6943, 21.3928, 32.3855



18.4504, 21.3928, 38.2787



20.8508, 21.3928, 39.8282

Triad

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



18.4504, 21.3928, 38.2787



25.4943, 21.3928, 21.8539



17.6297, 21.3928, 13.8533

Complementary

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



18.4504, 21.3928, 38.2787



22.1904, 19.3950, 9.9720

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.



19.8243, 21.3928, 12.1154



18.4504, 21.3928, 38.2787



24.4659, 21.3928, 16.0850

Square

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



18.4504, 21.3928, 38.2787



25.0511, 21.3928, 29.3163



22.3400, 21.3928, 12.8395



16.2483, 21.3928, 18.1572

Rectangle

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



18.4504, 21.3928, 38.2787



22.5237, 21.3928, 37.9595



22.3400, 21.3928, 12.8395



18.2896, 21.3928, 12.9947

Sweetspot

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



18.4511, 21.3936, 38.2792



52.1138, 56.8498, 71.9788



19.2474, 29.3124, 19.0418



11.1157, 12.1765, 15.7020



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.4511, 21.3936, 38.2792



29.4695, 34.3900, 68.8371



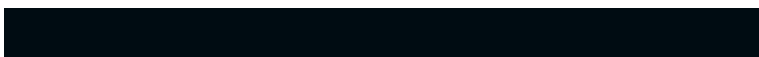
13.7316, 11.9545, 36.7060



7.0648, 7.5885, 8.9954



9.1451, 10.0695, 28.3914



0.2340, 0.2953, 0.6105

Inverse Universe

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



22.4095, 15.2065, 24.3091



37.7674, 23.0723, 39.1814



27.8285, 30.6714, 11.8514



7.2577, 7.1595, 8.3432



13.7615, 6.8606, 11.2004



0.3103, 0.1526, 0.3467

Previews

White Background



This preview shows how the XYZ color 18.4504, 21.3928, 38.2787 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 18.4504, 21.3928, 38.2787 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 18.4504, 21.3928, 38.2787

Background



This preview shows how black text looks on a background with the XYZ color 18.4504, 21.3928, 38.2787.

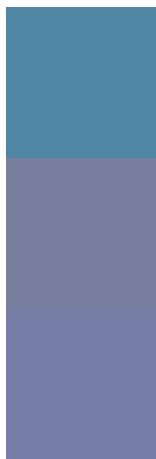


This preview shows how white text looks on a background with the XYZ color 18.4504, 21.3928,

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

18.4504, 21.3928, 38.2787

Protanopia

21.2402, 21.3123, 35.3420

Deuteranopia

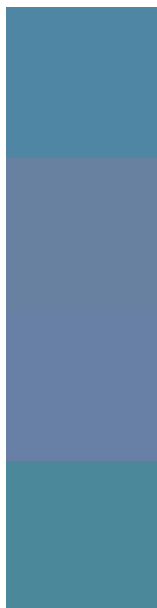
21.6878, 21.2720, 39.0392



Tritanopia

17.0386, 21.4459, 31.2584

Trichromacy



Original Color

18.4504, 21.3928, 38.2787

Protanomaly

19.9043, 21.1816, 36.2971

Deuteranomaly

20.2196, 21.0980, 38.6039

Tritanomaly

17.5385, 21.4373, 33.7853

Monochromacy



Original Color

18.4504, 21.3928, 38.2787

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.9201, 19.7920, 26.5427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4504, 21.3928, 38.2787 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(79, 134, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 134, 164) }
```

Border

The CSS property to change the border of an element to XYZ 18.4504, 21.3928, 38.2787 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, 164) }
```


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

```
.border{ border-color:rgb(79, 134, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 134, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 134, 164);  
box-shadow:4px 4px 4px 4px rgb(79, 134,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4504, 21.3928, 38.2787 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, 164) }
```

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

```
.background{ background-color: rgb(79, 134,  
164) }
```

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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