

Converting Colors

XYZ(18.0416, 21.6971, 38.3595)

Have a look what the booklet for
XYZ(18.0416, 21.6971, 38.3595)
contains.

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Color

**XYZ(17.9592, 21.5539,
38.3357)**

Conversions

Conversions Part 1

Format	Color
Hex	4588A4
RGB	69, 136, 164
RGB Percent	27%, 53%, 64%
CMY	0.7294, 0.4667, 0.3569
CMYK	0.58, 0.17, 0.00, 0.36
HSL	198°, 41%, 46%
HSV	198°, 58%, 64%
XYZ	17.9592, 21.5539, 38.3357
YIQ	119.1590, -48.9200, -5.4960

Conversions

Conversions Part 2

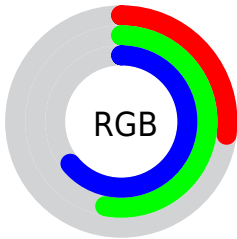
Format	Color
R _Y B	69, 108, 164
Decimal	4556964
CIE Lab	53.55, -12.87, -21.31
CIE LCh	54, 24.896, 238.867
Yxy	21.5539, 0.2307, 0.2769
Android (android.graphics.Color)	4282747044 (0xFF4588A4)
YUV	119.1590, 22.1066, -43.9894
Hunter-Lab	46.4262, -12.1960, -16.4595

Details

The XYZ color **17.9592, 21.5539, 38.3357** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **20.6592, 16.8721, 7.7986**, and the grayscale version is **17.5288, 18.4417, 20.0830**.

A 20% lighter version of the original color is **39.4412, 45.8696, 73.7928**, and **6.2524, 7.8254, 16.5102** is the 20% darker color. If you saturate the color by 10%, you get **16.2873, 19.7045, 38.0673**, and if you desaturate by 10%, it is **19.9847, 23.6320, 38.6305**.

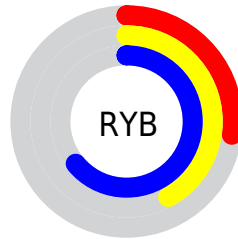
Distribution



 Red (27%)

 Green (53%)

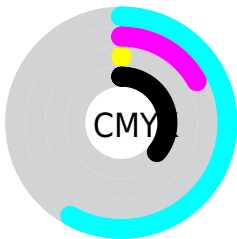
 Blue (64%)




 Red (27%)

 Yellow (42%)

 Blue (64%)

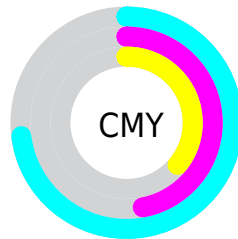


 Cyan (58%)


 Magenta (17%)

 Yellow (0%)

 Black (36%)



 Cyan (73%)

 Magenta (47%)

 Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9592, 21.5539, 38.3357 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 17.9592, 21.5539, 38.3357 by changing the saturation by 10% instead.

■ 17.9592, 21.5539,
38.3357

■ 17.9592, 21.5539,
38.3357

233.6910,
260.2077, 354.3991

■ 11.0202, 13.5295,
25.9395

■ 39.4984, 46.0076,
73.8315

■ 6.1478, 7.7942,
16.5530

■ 54.8294, 63.2056,
97.7682

■ 2.9767, 3.9635,
9.7577

■ 73.6883, 84.2303,
126.3888

■ 1.1414, 1.6532,
5.1351

■ 96.4407, 109.4661,
160.1118

■ 0.0594, 0.3931,
2.2666

■ 123.4518,
139.2973, 199.3558

■ 0.0000, 0.0000,
0.7124

155.0869,

■ 0.0000, 0.0000,

174.1084, 244.5393

0.0000

191.7116,
214.2837, 296.0809

■ 17.9592, 21.5539,
38.3357

■ 17.9592, 21.5539,
38.3357

■ 16.2873, 19.7045,
38.0673

■ 19.9847, 23.6320,
38.6305

■ 14.9394, 18.0667,
37.8222

■ 22.3862, 25.9497,
38.9513

■ 13.8839, 16.6240,
37.5993

■ 25.1866, 28.5198,
39.2997

■ 13.0662, 15.3477,
37.3961

■ 28.4064, 31.3534,
39.6770

■ 12.9078, 15.0941,
37.3555

■ 32.0645, 34.4608,
40.0839

■ 36.1786, 37.8516,
40.5216

■ 40.7655, 41.5351,
40.9908

■ 45.8409, 45.5199,
41.4925

■ 51.4201, 49.8144,
42.0273

Harmonies

Analogous

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



16.3338, 21.5539, 31.2565



17.9592, 21.5539, 38.3357



20.3856, 21.5539, 41.3263

Triad

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



17.9592, 21.5539, 38.3357



26.0247, 21.5539, 23.7586



18.1197, 21.5539, 12.8540

Complementary

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



17.9592, 21.5539, 38.3357



20.6592, 16.8721, 7.7986

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.



20.5874, 21.5539, 11.6779



17.9592, 21.5539, 38.3357



25.2890, 21.5539, 17.0953

Square

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



17.9592, 21.5539, 38.3357



25.1731, 21.5539, 31.8661



23.2401, 21.5539, 13.0484



16.4207, 21.5539, 16.6934

Rectangle

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



17.9592, 21.5539, 38.3357



22.1816, 21.5539, 40.1957



23.2401, 21.5539, 13.0484



18.8798, 21.5539, 12.1762

Sweetspot

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



17.9599, 21.5547, 38.3362



51.9408, 57.2381, 72.0628



17.8377, 28.6596, 15.6386



11.1005, 12.2930, 15.7252



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.



17.9599, 21.5547, 38.3362



28.6708, 34.7166, 68.9422



12.7768, 11.1884, 36.6085



7.0990, 7.6570, 9.0069



9.9396, 11.6587, 28.6563



0.2467, 0.3206, 0.6147

Inverse Universe

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



21.8825, 13.9269, 24.8283



36.8945, 20.9250, 40.1287



26.2696, 28.0930, 9.6687



7.2749, 7.1664, 8.4342



14.1625, 7.0211, 13.3124



0.3167, 0.1552, 0.3803

Previews

White Background



This preview shows how the XYZ color 17.9592, 21.5539, 38.3357 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 17.9592, 21.5539, 38.3357 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

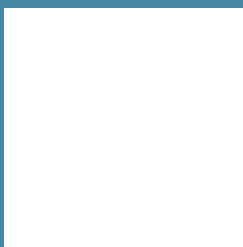
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.9592, 21.5539, 38.3357

Background



This preview shows how black text looks on a background with the XYZ color 17.9592, 21.5539, 38.3357.

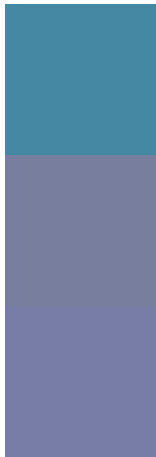


This preview shows how white text looks on a background with the XYZ color 17.9592, 21.5539,

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

17.9592, 21.5539, 38.3357

Protanopia

21.2924, 21.3491, 34.8968

Deuteranopia

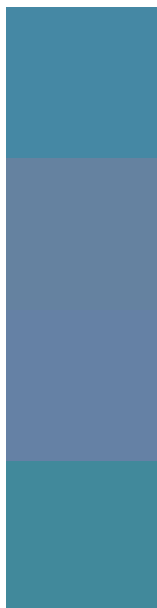
21.8243, 21.3423, 39.0456



Tritanopia

16.6434, 21.4357, 32.1145

Trichromacy



Original Color

17.9592, 21.5539, 38.3357

Protanomaly

19.6946, 21.2700, 36.3252

Deuteranomaly

20.0086, 21.1838, 38.6316

Tritanomaly

17.0420, 21.3817, 34.2392

Monochromacy



Original Color

17.9592, 21.5539, 38.3357

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.0736, 19.1832, 25.7245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9592, 21.5539, 38.3357 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(69, 136, 164)` looks like.

```
.text, #text, p{  
    color:rgb(69, 136, 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(69, 136, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 136, 164) }
```

Border

The CSS property to change the border of an element to XYZ 17.9592, 21.5539, 38.3357 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(69, 136, 164) }
```


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

```
.border{ border-color:rgb(69, 136, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 136, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 136, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 136, 164);  
box-shadow:4px 4px 4px 4px rgb(69, 136,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9592, 21.5539, 38.3357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 136, 164) }
```

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

```
.background{ background-color: rgb(69, 136,  
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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