

Converting Colors

XYZ(17.2733, 19.9238, 38.0577)

Have a look what the booklet for
XYZ(17.2733, 19.9238, 38.0577)
contains.

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Color

**XYZ(17.2820, 19.9852,
38.0686)**

Conversions

Conversions Part 1

Format	Color
Hex	4782A4
RGB	71, 130, 164
RGB Percent	28%, 51%, 64%
CMY	0.7216, 0.4902, 0.3569
CMYK	0.57, 0.21, 0.00, 0.36
HSL	202°, 40%, 46%
HSV	202°, 57%, 64%
XYZ	17.2820, 19.9852, 38.0686
YIQ	116.2350, -46.0780, -1.9340

Conversions

Conversions Part 2

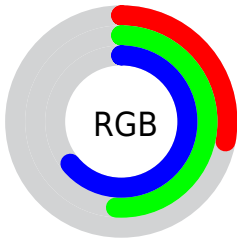
Format	Color
R _Y B	71, 107, 164
Decimal	4686500
CIE Lab	51.82, -9.07, -23.96
CIE LCh	52, 25.622, 249.275
Yxy	19.9852, 0.2294, 0.2653
Android (android.graphics.Color)	4282876580 (0xFF4782A4)
YUV	116.2350, 23.5481, -39.6711
Hunter-Lab	44.7048, -9.2288, -19.1953

Details

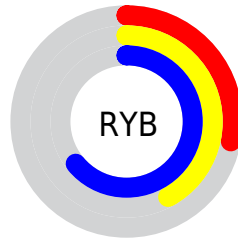
The XYZ color **17.2820, 19.9852, 38.0686** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.4994, 18.4514, 8.3903**, and the grayscale version is **16.6133, 17.4785, 19.0341**.

A 20% lighter version of the original color is **38.3239, 43.4171, 73.3783**, and **5.8671, 7.0547, 16.3817** is the 20% darker color. If you saturate the color by 10%, you get **15.4633, 17.8983, 37.7620**, and if you desaturate by 10%, it is **19.4731, 22.3338, 38.4068**.

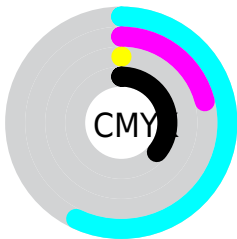
Distribution



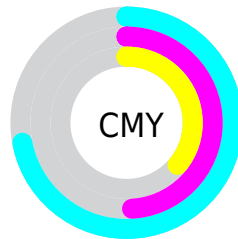
- Red (28%)
- Green (51%)
- Blue (64%)



- Red (28%)
- Yellow (42%)
- Blue (64%)



- Cyan (57%)
- Magenta (21%)
- Yellow (0%)
- Black (36%)



- Cyan (72%)
- Magenta (49%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2820, 19.9852, 38.0686 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 17.2820, 19.9852, 38.0686 by changing the saturation by 10% instead.

■ 17.2820, 19.9852,
38.0686

■ 17.2820, 19.9852,
38.0686

229.9170,
251.8350, 353.2212

■ 10.5323, 12.3843,
25.7337

■ 38.3498, 43.3924,
73.4179

■ 5.8183, 7.0060,
16.4005

■ 53.3985, 59.9674,
97.2693

■ 2.7745, 3.4658,
9.6506

■ 71.9443, 80.3026,
125.7966

■ 1.0357, 1.3795,
5.0654

■ 94.3526, 104.7824,
159.4185

■ 0.0000, 0.2015,
2.2263

■ 120.9886,
133.7911, 198.5533

■ 0.0000, 0.0000,
0.6895

152.2178,

■ 0.0000, 0.0000,

167.7132, 243.6196

0.0000

188.4055,
206.9330, 295.0361

■ 17.2820, 19.9852,
38.0686

■ 17.2820, 19.9852,
38.0686

■ 15.4633, 17.8983,
37.7620

■ 19.4731, 22.3338,
38.4068

■ 13.9875, 16.0557,
37.4841

■ 22.0592, 24.9558,
38.7766

■ 12.8233, 14.4403,
37.2337

■ 25.0633, 27.8645,
39.1797

■ 11.9246, 13.0272,
37.0083

■ 28.5059, 31.0716,
39.6173

■ 11.6556, 12.5897,
36.9381

■ 32.4062, 34.5881,
40.0905

■ 36.7820, 38.4241,
40.6003

■ 41.6505, 42.5895,
41.1477

■ 47.0276, 47.0936,
41.7337

■ 52.9286, 51.9451,
42.3591

Harmonies

Analogous

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



15.3852, 19.9852, 32.1300



17.2820, 19.9852, 38.0686



19.8117, 19.9852, 39.1512

Triad

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



17.2820, 19.9852, 38.0686



24.3635, 19.9852, 19.5355



16.0057, 19.9852, 12.4591

Complementary

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



17.2820, 19.9852, 38.0686



21.4994, 18.4514, 8.3903

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.



18.2017, 19.9852, 10.4758



17.2820, 19.9852, 38.0686



23.1302, 19.9852, 13.9032

Square

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



17.2820, 19.9852, 38.0686



24.0603, 19.9852, 27.2254



20.8183, 19.9852, 10.9362



14.6963, 19.9852, 17.0806

Rectangle

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



17.2820, 19.9852, 38.0686



21.5439, 19.9852, 36.7751



20.8183, 19.9852, 10.9362



16.6561, 19.9852, 11.5158

Sweetspot

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



17.2827, 19.9859, 38.0691



51.3346, 56.0257, 71.8608



18.3505, 28.8814, 17.5855



10.9548, 12.0017, 15.6767



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.



17.2827, 19.9859, 38.0691



27.3212, 31.5859, 68.4090



12.5446, 10.5099, 36.4897



7.0573, 7.5737, 8.9930



8.9833, 9.7461, 28.3375



0.2314, 0.2900, 0.6096

Inverse Universe

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



21.5929, 14.0114, 22.6862



36.3187, 21.0980, 35.8529



27.3620, 30.1766, 10.3445



7.2539, 7.1580, 8.3235



13.6798, 6.8280, 10.7706



0.3090, 0.1521, 0.3396

Previews

White Background



This preview shows how the XYZ color 17.2820, 19.9852, 38.0686 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 17.2820, 19.9852, 38.0686 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 17.2820, 19.9852, 38.0686

Background



This preview shows how black text looks on a background with the XYZ color 17.2820, 19.9852, 38.0686.

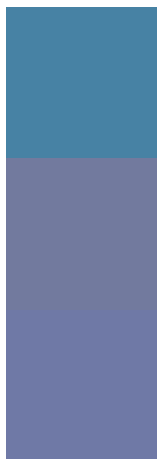


This preview shows how white text looks on a background with the XYZ color 17.2820, 19.9852,

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

17.2820, 19.9852, 38.0686

Protanopia

20.0705, 19.9651, 35.1436

Deuteranopia

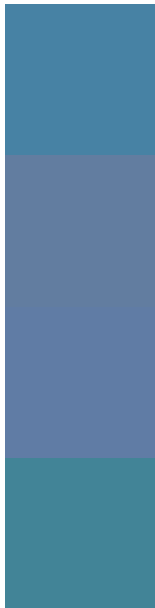
20.2759, 19.8074, 38.8310



Tritanopia

15.4715, 19.8454, 29.4007

Trichromacy



Original Color

17.2820, 19.9852, 38.0686

Protanomaly

18.7158, 19.8020, 36.0934

Deuteranomaly

18.8231, 19.6187, 38.3920

Tritanomaly

16.0839, 19.8951, 32.2706

Monochromacy



Original Color

17.2820, 19.9852, 38.0686

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3265, 18.0775, 24.8191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2820, 19.9852, 38.0686 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(71, 130, 164)` looks like.

```
.text, #text, p{  
    color:rgb(71, 130, 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(71, 130, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 130, 164) }
```

Border

The CSS property to change the border of an element to XYZ 17.2820, 19.9852, 38.0686 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(71, 130, 164) }
```


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

```
.border{ border-color:rgb(71, 130, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 130, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 130, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 130, 164); box-shadow:4px 4px 4px 4px rgb(71, 130, 164) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2820, 19.9852, 38.0686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 130, 164) }
```

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

```
.background{ background-color: rgb(71, 130,  
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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