

Converting Colors

XYZ(17.9154, 18.9343, 57.3953)

Have a look what the booklet for
XYZ(17.9154, 18.9343, 57.3953)
contains.

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Color

**XYZ(17.8970, 18.9085,
57.3500)**

Conversions

Conversions Part 1

Format	Color
Hex	0B7DC8
RGB	11, 125, 200
RGB Percent	4%, 49%, 78%
CMY	0.9567, 0.5098, 0.2157
CMYK	0.94, 0.37, 0.00, 0.22
HSL	204°, 90%, 41%
HSV	204°, 94%, 78%
XYZ	17.8970, 18.9085, 57.3500
YIQ	99.4640, -92.0190, -0.8430

Conversions

Conversions Part 2

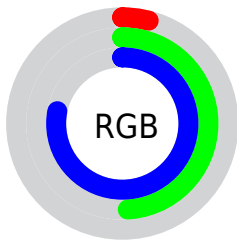
Format	Color
R_{YB}	11, 82, 200
Decimal	753096
CIE _{Lab}	50.58, -0.40, -46.72
CIE _{LCh}	51, 46.727, 269.510
Yxy	18.9085, 0.1901, 0.2008
Android (android.graphics.Color)	4278943176 (0xFF0B7DC8)
YUV	99.4640, 49.5642, -77.5829
Hunter-Lab	43.4839, -2.6302, -47.7576

Details

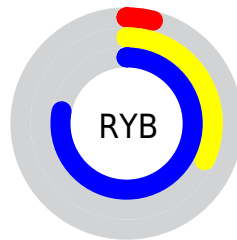
The XYZ color **17.8970, 18.9085, 57.3500** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **27.2118, 18.9668, 2.5448**, and the grayscale version is **11.8759, 12.4943, 13.6063**.

A 20% lighter version of the original color is **39.0277, 41.3736, 100.5367**, and **7.7647, 7.3521, 27.7979** is the 20% darker color. If you saturate the color by 10%, you get **17.2162, 17.7518, 57.1630**, and if you desaturate by 10%, it is **19.3711, 21.2207, 57.7190**.

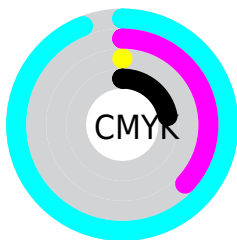
Distribution



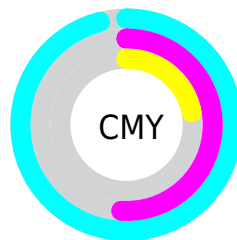
- Red (4%)
- Green (49%)
- Blue (78%)



- Red (4%)
- Yellow (32%)
- Blue (78%)



- Cyan (94%)
- Magenta (37%)
- Yellow (0%)
- Black (22%)



- Cyan (96%)
- Magenta (51%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8970, 18.9085, 57.3500 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 17.8970, 18.9085, 57.3500 by changing the saturation by 10% instead.

■ 17.8970, 18.9085,
57.3500

■ 17.8970, 18.9085,
57.3500

233.3467,
245.9432, 432.2899

■ 10.9753, 11.6042,
40.8751

■ 39.3932, 41.5794,
102.4811

■ 6.1174, 6.4748,
27.9025

■ 54.6984, 57.7148,
131.9744

■ 2.9579, 3.1359,
18.0138

■ 73.5288, 77.5627,
166.6442

■ 1.1316, 1.2031,
10.7903

■ 96.2498, 101.5075,
206.9090

■ 0.0513, 0.0642,
5.8136

■ 123.2268,
129.9335, 253.1875

■ 0.0000, 0.0000,
2.6651

154.8250,

■ 0.0000, 0.0000,

163.2252, 305.8981

0.9258

191.4098,
201.7670, 365.4594

■ 0.0000, 0.0000,
0.0000

■ 17.8970, 18.9085,
57.3500

■ 17.8970, 18.9085,
57.3500

■ 17.2162, 17.7518,
57.1630

■ 19.3711, 21.2207,
57.7190

■ 21.2999, 23.8889,
58.1324

■ 23.7458, 26.9483,
58.5940

■ 26.7600, 30.4277,
59.1067

■ 30.3868, 34.3524,
59.6731

■ 34.6658, 38.7453,
60.2955

■ 39.6333, 43.6272,
60.9760

■ 45.3224, 49.0175,
61.7166

■ 51.7641, 54.9345,
62.5192

Harmonies

Analogous

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



13.8756, 18.9085, 50.7406



17.8970, 18.9085, 57.3500



22.6522, 18.9085, 51.1338

Triad

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



17.8970, 18.9085, 57.3500



26.7454, 18.9085, 10.5212



11.4190, 18.9085, 10.2850

Complementary

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



17.8970, 18.9085, 57.3500



27.2118, 18.9668, 2.5448

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.



13.9854, 18.9085, 5.5440



17.8970, 18.9085, 57.3500



22.8042, 18.9085, 5.6341

Square

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



17.8970, 18.9085, 57.3500



28.2571, 18.9085, 20.8039



18.0471, 18.9085, 4.2924



10.5453, 18.9085, 20.3739

Rectangle

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



17.8970, 18.9085, 57.3500



25.5091, 18.9085, 41.6076



18.0471, 18.9085, 4.2924



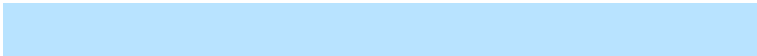
12.0882, 18.9085, 8.1981

Sweetspot

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



17.8978, 18.9091, 57.3505



65.0976, 72.1133, 105.0960



22.3730, 42.0123, 15.2110



13.1407, 14.6524, 22.3856



0.0000, 0.0000, 0.0000



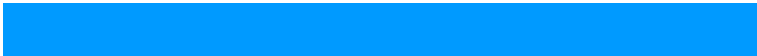
20.3446, 21.4041, 23.3091

Same Dimension

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



17.8978, 18.9091, 57.3505



29.5702, 30.2603, 98.8901



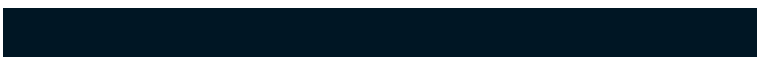
11.1104, 5.3344, 55.0881



10.5798, 11.3337, 13.5475



11.0361, 11.4661, 36.3759



0.5919, 0.6816, 1.7455

Inverse Universe

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



27.6415, 14.0006, 20.6478



47.0548, 23.5859, 32.5505



39.7919, 44.1270, 6.7381



10.8979, 10.7426, 12.4458



17.3699, 8.6975, 12.4234



0.8575, 0.4258, 0.7725

Previews

White Background



This preview shows how the XYZ color 17.8970, 18.9085, 57.3500 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 17.8970, 18.9085, 57.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

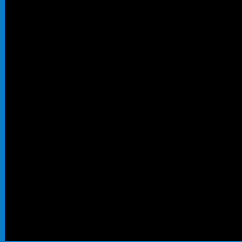
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.8970, 18.9085, 57.3500

Background



This preview shows how black text looks on a background with the XYZ color 17.8970, 18.9085, 57.3500.



This preview shows how white text looks on a background with the XYZ color 17.8970, 18.9085,

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

17.8970, 18.9085, 57.3500

Protanopia

20.2034, 18.7465, 53.0057

Deuteranopia

19.4943, 18.9818, 57.8947



Tritanopia

13.3455, 18.7582, 28.9039

Trichromacy



Original Color

17.8970, 18.9085, 57.3500

Protanomaly

18.6047, 18.4106, 54.7976

Deuteranomaly

18.5843, 18.6940, 57.8871

Tritanomaly

14.7335, 18.6714, 37.9494

Monochromacy



Original Color

17.8970, 18.9085, 57.3500

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.1212, 13.6960, 25.2973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8970, 18.9085, 57.3500 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(11, 125, 200)` looks like.

```
.text, #text, p{  
    color:rgb(11, 125, 200)  
}
```

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(11, 125, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 125, 200) }
```

Border

The CSS property to change the border of an element to XYZ 17.8970, 18.9085, 57.3500 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(11, 125, 200) }
```


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

```
.border{ border-color:rgb(11, 125, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 125, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(11, 125, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(11, 125, 200); box-shadow:4px 4px 4px 4px rgb(11, 125, 200) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8970, 18.9085, 57.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 125, 200) }
```

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

```
.background{ background-color: rgb(11, 125,  
200) }
```

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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