

Converting Colors

XYZ(18.6444, 31.1579, 58.3835)

Have a look what the booklet for
XYZ(18.6444, 31.1579, 58.3835)
contains.

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Color

**XYZ(25.5230, 34.7372,
58.7858)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFC6
RGB	0, 175, 198
RGB Percent	0%, 69%, 78%
CMY	0.9998, 0.3137, 0.2235
CMYK	1.00, 0.12, 0.00, 0.22
HSL	187°, 100%, 39%
HSV	187°, 100%, 78%
XYZ	25.5230, 34.7372, 58.7858
YIQ	125.2970, -111.6830, -29.9470

Conversions

Conversions Part 2

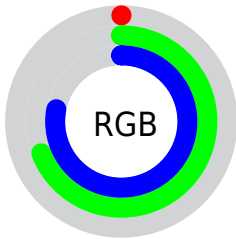
Format	Color
RYB	0, 93, 198
Decimal	44998
CIELab	65.54, -28.90, -22.26
CIELCh	66, 36.483, 217.605
Yxy	34.7372, 0.2144, 0.2918
Android (android.graphics.Color)	4278235078 (0xFF00AFC6)
YUV	125.2970, 35.8426, -109.8855
Hunter-Lab	58.9383, -25.8432, -17.8798

Details

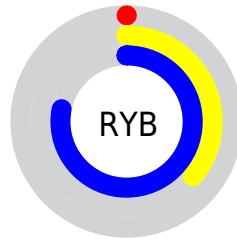
The XYZ color **25.5230, 34.7372, 58.7858** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **23.5964, 12.6203, 1.1934**, and the grayscale version is **19.5074, 20.5233, 22.3499**.

A 20% lighter version of the original color is **51.9927, 67.1385, 104.8265**, and **11.9936, 15.9327, 28.8287** is the 20% darker color. If you saturate the color by 10%, you get **25.5227, 34.7364, 58.7863**, and if you desaturate by 10%, it is **26.2604, 35.7884, 58.9505**.

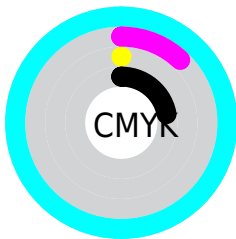
Distribution



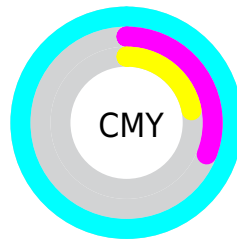
- Red (0%)
- Green (69%)
- Blue (78%)



- Red (0%)
- Yellow (36%)
- Blue (78%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (31%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5230, 34.7372, 58.7858 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 25.5230, 34.7372, 58.7858 by changing the saturation by 10% instead.

■ 25.5230, 34.7372,
58.7858

■ 25.5230, 34.7372,
58.7858

272.7324,
323.4068, 437.7874

■ 16.5979, 23.4605,
42.0218

■ 51.9412, 67.0784,
104.5923

■ 10.0418, 14.9339,
28.7927

■ 70.1651, 88.9118,
134.4720

■ 5.4891, 8.7730,
18.6798

■ 92.2193, 115.0328,
169.5606

■ 2.5747, 4.5934,
11.2647

■ 118.4692,
145.8259, 210.2768

■ 0.9331, 2.0107,
6.1288

■ 149.2801,
181.6755, 257.0390

■ 0.0000, 0.6137,
2.8535

185.0173,

■ 0.0000, 0.0000,

222.9659, 310.2658

1.0203

226.0463,
270.0815, 370.3758

■ 0.0000, 0.0000,
0.0000

■ 25.5230, 34.7372,
58.7858

■ 25.5230, 34.7372,
58.7858

■ 25.5227, 34.7364,
58.7863

■ 26.2604, 35.7884,
58.9505

■ 27.2956, 37.0037,
59.1305

■ 28.7312, 38.4370,
59.3315

■ 30.6205, 40.1156,
59.5559

■ 33.0085, 42.0628,
59.8059

■ 35.9346, 44.2990,
60.0833

■ 39.4344, 46.8427,
60.3899

■ 43.5402, 49.7104,
60.7270

■ 48.2821, 52.9178,
61.0961

Harmonies

Analogous

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



23.8384, 34.7372, 41.8552



25.5230, 34.7372, 58.7858



29.2525, 34.7372, 72.1008

Triad

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



25.5230, 34.7372, 58.7858



43.4639, 34.7372, 50.1864



31.6746, 34.7372, 15.5006

Complementary

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



25.5230, 34.7372, 58.7858



23.5964, 12.6203, 1.1934

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.



37.0906, 34.7372, 16.6083



25.5230, 34.7372, 58.7858



44.2918, 34.7372, 34.0583

Square

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



25.5230, 34.7372, 58.7858



39.6962, 34.7372, 66.2740



41.8499, 34.7372, 22.5503



27.1319, 34.7372, 18.9629

Rectangle

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



25.5230, 34.7372, 58.7858



32.5889, 34.7372, 75.5283



41.8499, 34.7372, 22.5503



33.4481, 34.7372, 15.3723

Sweetspot

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



25.5241, 34.7384, 58.7867



69.5150, 82.7242, 106.9113



20.3196, 40.4388, 7.3887



14.2885, 17.2816, 22.8325



0.0000, 0.0000, 0.0000



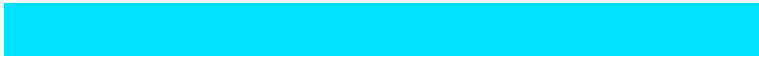
20.3446, 21.4041, 23.3091

Same Dimension

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



25.5241, 34.7384, 58.7867



45.0767, 61.2733, 104.0589



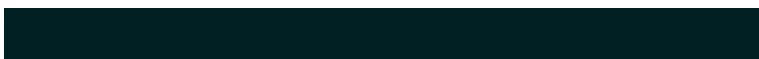
13.0059, 9.7019, 54.6139



10.8375, 11.8490, 13.6334



16.6384, 22.6708, 38.2433



0.8184, 1.1346, 1.8210

Inverse Universe

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



31.0275, 15.1020, 41.8384



54.8818, 26.7167, 73.7668



29.8642, 25.1560, 3.2827



11.0280, 10.7946, 13.1307



20.1976, 9.8286, 27.3144



0.9718, 0.4716, 1.3746

Previews

White Background



This preview shows how the XYZ color 25.5230, 34.7372, 58.7858 looks on a white background.

Color Contrast Check

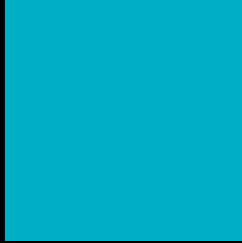
Large Text (above 18pt) WCAG AA × Fail

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 25.5230, 34.7372, 58.7858 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 ✓ Pass

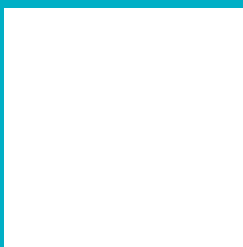
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.5230, 34.7372, 58.7858

Background



This preview shows how black text looks on a background with the XYZ color 25.5230, 34.7372, 58.7858.



This preview shows how white text looks on a background with the XYZ color 25.5230, 34.7372,

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

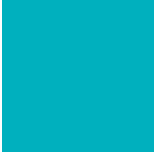
25.5230, 34.7372, 58.7858

Protanopia

34.0568, 34.4314, 51.3053

Deuteranopia

34.9597, 34.1910, 60.6341



Tritanopia

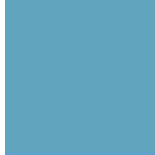
24.8196, 34.7684, 54.1180

Trichromacy



Original Color

25.5230, 34.7372, 58.7858



Protanomaly

27.4995, 32.8100, 53.5988



Deuteranomaly

28.1823, 32.4906, 60.0443



Tritanomaly

25.1510, 34.9009, 55.8630

Monochromacy



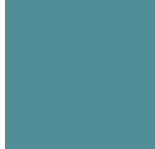
Original Color

25.5230, 34.7372, 58.7858



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

18.7982, 23.6174, 33.2736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5230, 34.7372, 58.7858 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(0, 175, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 198)  
}
```

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(0, 175, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 198) }
```

Border

The CSS property to change the border of an element to XYZ 25.5230, 34.7372, 58.7858 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(0, 175, 198) }
```


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

```
.border{ border-color:rgb(0, 175, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5230, 34.7372, 58.7858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 198) }
```

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

```
.background{ background-color: rgb(0, 175,  
198) }
```

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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