

Converting Colors

XYZ(24.0654, 34.8310, 57.8005)

Have a look what the booklet for
XYZ(24.0654, 34.8310, 57.8005)
contains.

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Color

**XYZ(25.8842, 35.8263,
57.7755)**

Conversions

Conversions Part 1

Format	Color
Hex	00B2C4
RGB	0, 178, 196
RGB Percent	0%, 70%, 77%
CMY	0.9998, 0.3020, 0.2314
CMYK	1.00, 0.09, 0.00, 0.23
HSL	186°, 100%, 38%
HSV	186°, 100%, 77%
XYZ	25.8842, 35.8263, 57.7755
YIQ	126.8300, -111.8660, -32.1380

Conversions

Conversions Part 2

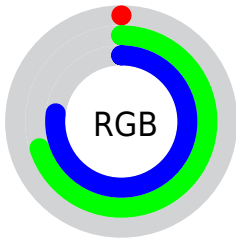
Format	Color
RYB	0, 93, 196
Decimal	45764
CIELab	66.39, -31.02, -19.87
CIELCh	66, 36.842, 212.638
Yxy	35.8263, 0.2166, 0.2998
Android (android.graphics.Color)	4278235844 (0xFF00B2C4)
YUV	126.8300, 34.1008, -111.2299
Hunter-Lab	59.8551, -27.5544, -15.3315

Details

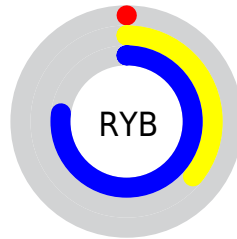
The XYZ color **25.8842, 35.8263, 57.7755** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **22.9825, 12.1700, 1.1389**, and the grayscale version is **20.0335, 21.0768, 22.9527**.

A 20% lighter version of the original color is **52.5193, 68.7042, 103.4217**, and **12.2161, 16.6202, 28.1554** is the 20% darker color. If you saturate the color by 10%, you get **25.8840, 35.8258, 57.7761**, and if you desaturate by 10%, it is **26.5267, 36.6935, 57.9097**.

Distribution



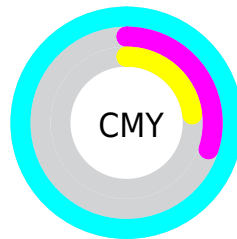
- Red (0%)
- Green (70%)
- Blue (77%)



- Red (0%)
- Yellow (36%)
- Blue (77%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (30%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8842, 35.8263, 57.7755 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 25.8842, 35.8263, 57.7755 by changing the saturation by 10% instead.

■ 25.8842, 35.8263,
57.7755

■ 25.8842, 35.8263,
57.7755

274.4803,
328.2007, 433.9237

■ 16.8693, 24.3001,
41.2147

■ 52.5207, 68.7639,
103.1074

■ 10.2360, 15.5564,
28.1659

■ 70.8730, 90.9440,
132.7156

■ 5.6192, 9.2108,
18.2106

■ 93.0684, 117.4443,
167.5100

■ 2.6534, 4.8789,
10.9303

■ 119.4723,
148.6490, 207.9091

■ 0.9732, 2.1764,
5.9064

■ 150.4501,
184.9426, 254.3315

■ 0.0000, 0.7071,
2.7204

186.3672,

■ 0.0000, 0.0000,

226.7095, 307.1957

0.9537

227.5888,
274.3341, 366.9203

■ 0.0000, 0.0000,
0.0000

■ 25.8842, 35.8263,
57.7755

■ 25.8842, 35.8263,
57.7755

■ 25.8840, 35.8258,
57.7761

■ 26.5267, 36.6935,
57.9097

■ 27.4566, 37.7151,
58.0579

■ 28.7750, 38.9441,
58.2256

■ 30.5338, 40.4072,
58.4153

■ 32.7767, 42.1269,
58.6290

■ 35.5422, 44.1231,
58.8686

■ 38.8650, 46.4137,
59.1356

■ 42.7766, 49.0151,
59.4316

■ 47.3063, 51.9423,
59.7578

Harmonies

Analogous

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



24.5242, 35.8263, 40.4227



25.8842, 35.8263, 57.7755



29.4094, 35.8263, 72.6515

Triad

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



25.8842, 35.8263, 57.7755



44.3582, 35.8263, 54.6878



33.5663, 35.8263, 15.8658

Complementary

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



25.8842, 35.8263, 57.7755



22.9825, 12.1700, 1.1389

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.



39.1587, 35.8263, 17.7848



25.8842, 35.8263, 57.7755



45.7738, 35.8263, 37.6282

Square

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



25.8842, 35.8263, 57.7755



40.0936, 35.8263, 70.5569



43.7788, 35.8263, 24.8218



28.6497, 35.8263, 18.6253

Rectangle

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



25.8842, 35.8263, 57.7755



32.7119, 35.8263, 77.5178



43.7788, 35.8263, 24.8218



35.4279, 35.8263, 15.9858

Sweetspot

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



25.8853, 35.8276, 57.7764



70.0843, 83.8627, 107.1010



19.8371, 39.5192, 7.0874



14.4267, 17.5578, 22.8786



0.0000, 0.0000, 0.0000



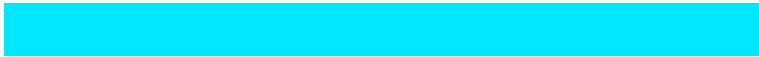
20.3446, 21.4041, 23.3091

Same Dimension

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



25.8853, 35.8276, 57.7764



46.7880, 64.6961, 104.6293



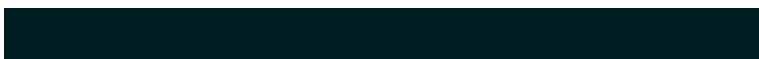
12.9586, 9.9741, 53.4675



10.2869, 11.2651, 12.9170



16.6648, 23.0861, 37.1343



0.7436, 1.0445, 1.6123

Inverse Universe

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



30.8018, 14.9513, 43.3832



55.7456, 27.0623, 78.3157



28.8226, 23.8501, 3.0856



10.4561, 10.2311, 12.4924



19.8076, 9.6128, 27.9625



0.8677, 0.4201, 1.2707

Previews

White Background



This preview shows how the XYZ color 25.8842, 35.8263, 57.7755 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 25.8842, 35.8263, 57.7755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

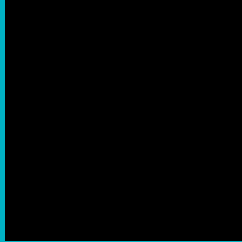
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.8842, 35.8263, 57.7755

Background



This preview shows how black text looks on a background with the XYZ color 25.8842, 35.8263, 57.7755.

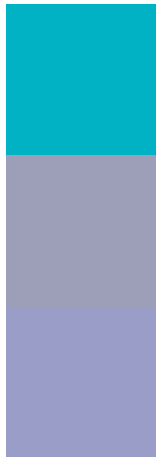


This preview shows how white text looks on a background with the XYZ color 25.8842, 35.8263,

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

25.8842, 35.8263, 57.7755

Protanopia

34.6557, 35.2831, 49.7835

Deuteranopia

36.1172, 35.2996, 60.1683



Tritanopia

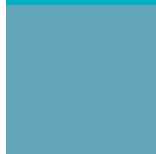
25.5460, 35.6910, 55.9947

Trichromacy



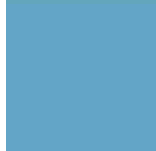
Original Color

25.8842, 35.8263, 57.7755



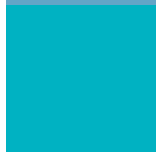
Protanomaly

27.8589, 33.5559, 52.5856



Deuteranomaly

28.9095, 33.6864, 59.0113



Tritanomaly

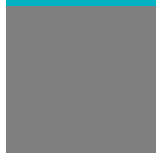
25.6580, 35.7358, 56.5843

Monochromacy



Original Color

25.8842, 35.8263, 57.7755



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.3397, 24.5741, 33.4297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8842, 35.8263, 57.7755 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, 178, 196)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 196)  
}
```

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, 178, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 196) }
```

Border

The CSS property to change the border of an element to XYZ 25.8842, 35.8263, 57.7755 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, 178, 196) }
```


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

```
.border{ border-color:rgb(0, 178, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 196);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8842, 35.8263, 57.7755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 196) }
```

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

```
.background{ background-color: rgb(0, 178,  
196) }
```

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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