

Converting Colors

XYZ(20.5964, 33.0354, 56.3970)

Have a look what the booklet for
XYZ(20.5964, 33.0354, 56.3970)
contains.

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Color

**XYZ(25.6580, 35.7358,
56.5843)**

Conversions

Conversions Part 1

Format	Color
Hex	00B2C2
RGB	0, 178, 194
RGB Percent	0%, 70%, 76%
CMY	0.9998, 0.3020, 0.2392
CMYK	1.00, 0.08, 0.00, 0.24
HSL	185°, 100%, 38%
HSV	185°, 100%, 76%
XYZ	25.6580, 35.7358, 56.5843
YIQ	126.6020, -111.2240, -32.7600

Conversions

Conversions Part 2

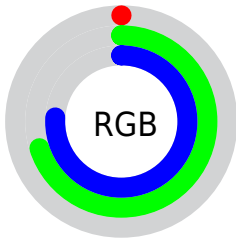
Format	Color
RYB	0, 93, 194
Decimal	45762
CIELab	66.32, -31.67, -18.87
CIELCh	66, 36.866, 210.786
Yxy	35.7358, 0.2175, 0.3029
Android (android.graphics.Color)	4278235842 (0xFF00B2C2)
YUV	126.6020, 33.2272, -111.0300
Hunter-Lab	59.7794, -27.9998, -14.2754

Details

The XYZ color **25.6580, 35.7358, 56.5843** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **22.4346, 11.8414, 1.1044**, and the grayscale version is **19.9585, 20.9978, 22.8667**.

A 20% lighter version of the original color is **52.2022, 68.5774, 101.7522**, and **12.0672, 16.5607, 27.3715** is the 20% darker color. If you saturate the color by 10%, you get **25.6579, 35.7354, 56.5849**, and if you desaturate by 10%, it is **26.2562, 36.5203, 56.7049**.

Distribution



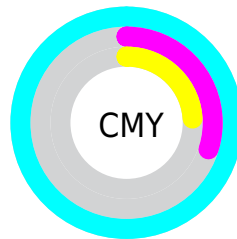
- Red (0%)
- Green (70%)
- Blue (76%)



- Red (0%)
- Yellow (36%)
- Blue (76%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (24%)





- Cyan (100%)
- Magenta (30%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.6580, 35.7358, 56.5843 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 25.6580, 35.7358, 56.5843 by changing the saturation by 10% instead.


 25.6580, 35.7358,
56.5843


 25.6580, 35.7358,
56.5843

273.3868,
327.8043, 429.3398


 16.6993, 24.2302,
40.2644


 52.1579, 68.6241,
101.3527

 10.1143, 15.5045,
27.4294


 70.4299, 90.7756,
130.6383


 5.5377, 9.1742,
17.6607


 92.5370, 117.2445,
165.0829

 2.6040, 4.8550,
10.5398

 118.8445,
148.4152, 205.1050

 0.9480, 2.1624,
5.6480

 149.7179,
184.6722, 251.1233

 0.0000, 0.6994,
2.5670

185.5225,

 0.0000, 0.0000,

226.3998, 303.5561

0.8753

226.6237,
273.9823, 362.8221

■ 0.0000, 0.0000,
0.0000

■ 25.6580, 35.7358,
56.5843

■ 25.6580, 35.7358,
56.5843

■ 25.6579, 35.7354,
56.5849

■ 26.2562, 36.5203,
56.7049

■ 27.1337, 37.4537,
56.8388

■ 28.3897, 38.5877,
56.9915

■ 30.0749, 39.9486,
57.1653

■ 32.2318, 41.5582,
57.3623

■ 34.8980, 43.4360,
57.5843

■ 38.1073, 45.5993,
57.8327

■ 41.8903, 48.0641,
58.1090

■ 46.2757, 50.8451,
58.4147

Harmonies

Analogous

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



24.4412, 35.7358, 39.3274



25.6580, 35.7358, 56.5843



29.0559, 35.7358, 71.8282

Triad

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



25.6580, 35.7358, 56.5843



44.0698, 35.7358, 55.6651



33.8209, 35.7358, 15.7845

Complementary

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



25.6580, 35.7358, 56.5843



22.4346, 11.8414, 1.1044

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.



39.3998, 35.7358, 17.9921



25.6580, 35.7358, 56.5843



45.6902, 35.7358, 38.4960

Square

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



25.6580, 35.7358, 56.5843



39.6780, 35.7358, 71.2044



43.8974, 35.7358, 25.3627



28.8300, 35.7358, 18.2418

Rectangle

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



25.6580, 35.7358, 56.5843



32.2985, 35.7358, 77.1707



43.8974, 35.7358, 25.3627



35.6895, 35.7358, 15.9983

Sweetspot

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



25.6591, 35.7371, 56.5852



68.7262, 82.4056, 104.7534



19.3651, 38.6133, 6.8124



14.4803, 17.6650, 22.8964



0.0000, 0.0000, 0.0000



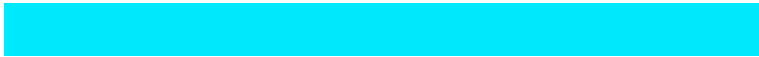
20.3446, 21.4041, 23.3091

Same Dimension

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



25.6591, 35.7371, 56.5852



46.3937, 64.5600, 102.4859



12.9157, 10.2503, 52.3374



10.2952, 11.2817, 12.9198



16.8980, 23.5525, 37.2121



0.7515, 1.0604, 1.6149

Inverse Universe

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



30.2850, 14.6849, 43.3590



54.8205, 26.5846, 78.3080



27.8195, 22.6112, 2.8994



10.4603, 10.2327, 12.5145



19.9253, 9.6599, 28.5824



0.8717, 0.4217, 1.2918

Previews

White Background



This preview shows how the XYZ color 25.6580, 35.7358, 56.5843 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 25.6580, 35.7358, 56.5843 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

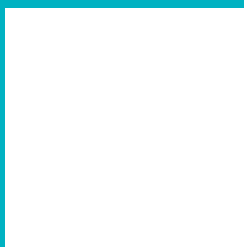
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.6580, 35.7358, 56.5843

Background



This preview shows how black text looks on a background with the XYZ color 25.6580, 35.7358, 56.5843.



This preview shows how white text looks on a background with the XYZ color 25.6580, 35.7358,

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

25.6580, 35.7358, 56.5843

Protanopia

34.6433, 35.3006, 48.7039

Deuteranopia

36.0761, 35.3054, 58.9460



Tritanopia

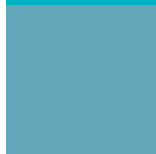
25.5460, 35.6910, 55.9947

Trichromacy



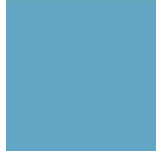
Original Color

25.6580, 35.7358, 56.5843



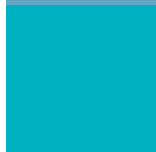
Protanomaly

27.7547, 33.5269, 51.4629



Deuteranomaly

28.6788, 33.5941, 57.7961



Tritanomaly

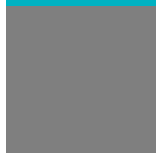
25.5460, 35.6910, 55.9947

Monochromacy



Original Color

25.6580, 35.7358, 56.5843



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.2581, 24.5415, 33.0001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6580, 35.7358, 56.5843 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 194) }
```

Border

The CSS property to change the border of an element to XYZ 25.6580, 35.7358, 56.5843 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, 194) }
```


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

```
.border{ border-color:rgb(0, 178, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6580, 35.7358, 56.5843 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, 194) }
```

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

```
.background{ background-color: rgb(0, 178,  
194) }
```

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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