

Converting Colors

XYZ(24.8328, 33.8603, 56.2658)

Have a look what the booklet for
XYZ(24.8328, 33.8603, 56.2658)
contains.

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Color

**XYZ(24.8328, 33.8603,
56.2658)**

Conversions

Conversions Part 1

Format	Color
Hex	0CADC2
RGB	12, 173, 194
RGB Percent	5%, 68%, 76%
CMY	0.9528, 0.3216, 0.2392
CMYK	0.94, 0.11, 0.00, 0.24
HSL	187°, 88%, 40%
HSV	187°, 94%, 76%
XYZ	24.8328, 33.8603, 56.2658
YIQ	127.2550, -102.6970, -27.6010

Conversions

Conversions Part 2

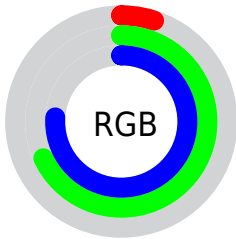
Format	Color
RYB	12, 97, 194
Decimal	830914
CIELab	64.85, -28.85, -21.09
CIElCh	65, 35.743, 216.169
Yxy	33.8603, 0.2160, 0.2945
Android (android.graphics.Color)	4279020994 (0xFF0CADC2)
YUV	127.2550, 32.9053, -101.0786
Hunter-Lab	58.1896, -25.6557, -16.5971

Details

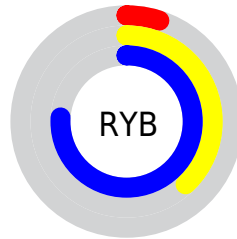
The XYZ color **24.8328, 33.8603, 56.2658** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **22.8599, 12.5860, 1.5736**, and the grayscale version is **20.1805, 21.2315, 23.1211**.

A 20% lighter version of the original color is **50.9114, 65.8284, 101.2896**, and **11.4501, 15.3264, 27.1657** is the 20% darker color. If you saturate the color by 10%, you get **24.4167, 33.2530, 56.1712**, and if you desaturate by 10%, it is **25.6931, 34.9471, 56.4309**.

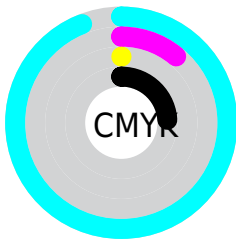
Distribution



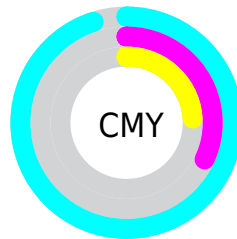
- Red (5%)
- Green (68%)
- Blue (76%)



- Red (5%)
- Yellow (38%)
- Blue (76%)



- Cyan (94%)
- Magenta (11%)
- Yellow (0%)
- Black (24%)



- Cyan (95%)
- Magenta (32%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8328, 33.8603, 56.2658 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 24.8328, 33.8603, 56.2658 by changing the saturation by 10% instead.

■ 24.8328, 33.8603,
56.2658

■ 24.8328, 33.8603,
56.2658

269.3673,
319.5087, 428.1088

■ 16.0806, 22.7863,
40.0106

■ 50.8307, 65.7164,
100.8828

■ 9.6724, 14.4358,
27.2330

■ 68.8071, 87.2672,
130.0817

■ 5.2429, 8.4244,
17.5143

■ 90.5889, 113.0791,
164.4322

■ 2.4267, 4.3677,
10.4360

■ 116.5416,
143.5365, 204.3530

■ 0.8584, 1.8813,
5.5796

■ 147.0304,
179.0238, 250.2625

■ 0.0000, 0.5371,
2.5266

182.4207,

■ 0.0000, 0.0000,

219.9253, 302.5793

0.8542

223.0779,
266.6255, 361.7219

■ 0.0000, 0.0000,
0.0000

■ 24.8328, 33.8603,
56.2658

■ 24.8328, 33.8603,
56.2658

■ 24.4167, 33.2530,
56.1712

■ 25.6931, 34.9471,
56.4309

■ 26.9120, 36.2289,
56.6141

■ 28.5454, 37.7352,
56.8187

■ 30.6385, 39.4892,
57.0470

■ 33.2306, 41.5115,
57.3007

■ 36.3569, 43.8199,
57.5815

■ 40.0491, 46.4312,
57.8909

■ 44.3367, 49.3604,
58.2303

■ 49.2469, 52.6216,
58.6010

Harmonies

Analogous

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



23.3079, 33.8603, 40.0006



24.8328, 33.8603, 56.2658



28.3458, 33.8603, 69.3704

Triad

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



24.8328, 33.8603, 56.2658



42.1178, 33.8603, 49.5546



31.1307, 33.8603, 15.2495

Complementary

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



24.8328, 33.8603, 56.2658



22.8599, 12.5860, 1.5736

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.



36.3522, 33.8603, 16.5351



24.8328, 33.8603, 56.2658



43.0663, 33.8603, 33.9036

Square

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



24.8328, 33.8603, 56.2658



38.3882, 33.8603, 64.8283



40.8574, 33.8603, 22.5359



26.6857, 33.8603, 18.3858

Rectangle

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



24.8328, 33.8603, 56.2658



31.5261, 33.8603, 73.0212



40.8574, 33.8603, 22.5359



32.8493, 33.8603, 15.1935

Sweetspot

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



24.8339, 33.8615, 56.2666



69.3166, 81.8508, 104.6152



19.6816, 38.7575, 7.6877



14.5538, 17.4786, 22.8566



0.0000, 0.0000, 0.0000



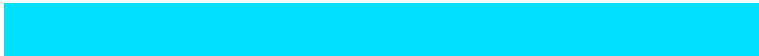
20.3446, 21.4041, 23.3091

Same Dimension

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



24.8339, 33.8615, 56.2666



44.1144, 60.0015, 101.7262



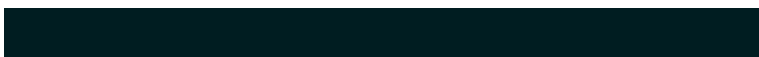
13.1246, 10.4429, 52.3635



10.2661, 11.2235, 12.9101



16.0916, 21.9398, 36.9433



0.7240, 1.0054, 1.6058

Inverse Universe

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



29.9234, 14.7506, 40.8063



53.6701, 26.1244, 72.2498



29.1787, 25.2235, 3.6798



10.4456, 10.2269, 12.4372



19.5183, 9.4971, 26.4391



0.8578, 0.4161, 1.2187

Previews

White Background



This preview shows how the XYZ color 24.8328, 33.8603, 56.2658 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 24.8328, 33.8603, 56.2658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

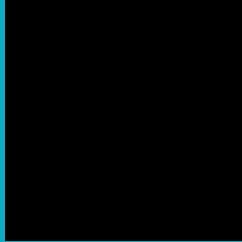
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

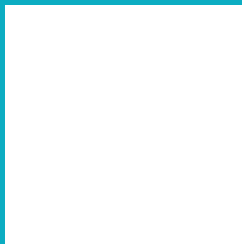
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8328, 33.8603, 56.2658

Background



This preview shows how black text looks on a background with the XYZ color 24.8328, 33.8603, 56.2658.



This preview shows how white text looks on a background with the XYZ color 24.8328, 33.8603,

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

24.8328, 33.8603, 56.2658

Protanopia

32.9273, 33.3994, 48.9672

Deuteranopia

33.9787, 33.2492, 58.0530



Tritanopia

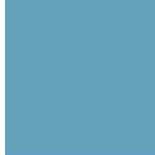
24.2132, 33.9029, 52.8447

Trichromacy



Original Color

24.8328, 33.8603, 56.2658



Protanomaly

27.0388, 32.0952, 51.2243



Deuteranomaly

27.7944, 31.8255, 57.5013



Tritanomaly

24.4804, 34.0156, 53.9906

Monochromacy



Original Color

24.8328, 33.8603, 56.2658



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.3055, 24.1122, 32.9148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8328, 33.8603, 56.2658 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(12, 173, 194)` looks like.

```
.text, #text, p{  
    color:rgb(12, 173, 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(12, 173, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 173, 194) }
```

Border

The CSS property to change the border of an element to XYZ 24.8328, 33.8603, 56.2658 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(12, 173, 194) }
```


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

```
.border{ border-color:rgb(12, 173, 194) }
```

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

Here you see how a box with a 4 pixel rgb(12, 173, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 173, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 173, 194);  
box-shadow:4px 4px 4px 4px rgb(12, 173,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8328, 33.8603, 56.2658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 173, 194) }
```

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

```
.background{ background-color: rgb(12, 173,  
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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