

Converting Colors

XYZ(25.0600, 33.7555, 58.8030)

Have a look what the booklet for
XYZ(25.0600, 33.7555, 58.8030)
contains.

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Color

**XYZ(24.9456, 33.5823,
58.5933)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00ACC6 |
| RGB | 0, 172, 198 |
| RGB Percent | 0%, 67%, 78% |
| CMY | 0.9998, 0.3255, 0.2235 |
| CMYK | 1.00, 0.13, 0.00, 0.22 |
| HSL | 188°, 100%, 39% |
| HSV | 188°, 100%, 78% |
| XYZ | 24.9456, 33.5823, 58.5933 |
| YIQ | 123.5360, -110.8580, -28.3780 |

Conversions

Conversions Part 2

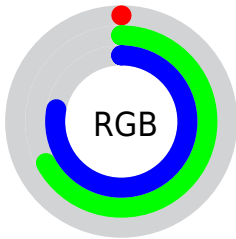
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 92, 198 |
| Decimal | 44230 |
| CIELab | 64.63, -27.41, -23.66 |
| CIELCh | 65, 36.213, 220.796 |
| Yxy | 33.5823, 0.2130, 0.2867 |
| Android (android.graphics.Color) | 4278234310 (0xFF00ACC6) |
| YUV | 123.5360, 36.7108, -108.3411 |
| Hunter-Lab | 57.9502, -24.5748, -19.3828 |

Details

The XYZ color **24.9456, 33.5823, 58.5933** is a dark color, and the websafe version is hex **339999**. The color can be described as dark washed azure. A complement of this color would be **23.6596, 12.7468, 1.2147**, and the grayscale version is **18.9173, 19.9025, 21.6738**.

A 20% lighter version of the original color is **51.1602, 65.4735, 104.5490**, and **11.6309, 15.2073, 28.7078** is the 20% darker color. If you saturate the color by 10%, you get **24.9450, 33.5809, 58.5937**, and if you desaturate by 10%, it is **25.7313, 34.7299, 58.7741**.

Distribution



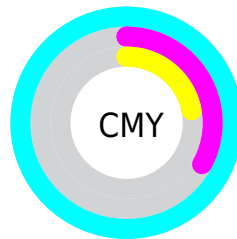
- Red (0%)
- Green (67%)
- Blue (78%)



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



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9456, 33.5823, 58.5933 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 24.9456, 33.5823, 58.5933 by changing the saturation by 10% instead.

■ 24.9456, 33.5823,
58.5933

■ 24.9456, 33.5823,
58.5933

269.9196,
318.2655, 437.0529

■ 16.1650, 22.5729,
41.8680

■ 51.0125, 65.2836,
104.3096

■ 9.7326, 14.2785,
28.6731

■ 69.0295, 86.7443,
134.1377

■ 5.2829, 8.3146,
18.5902

■ 90.8561, 112.4575,
169.1704

■ 2.4507, 4.2969,
11.2008

■ 116.8576,
142.8076, 209.8264

■ 0.8704, 1.8410,
6.0862

■ 147.3993,
178.1791, 256.5241

■ 0.0000, 0.5125,
2.8279

182.8466,

■ 0.0000, 0.0000,

218.9563, 309.6820

1.0074

223.5649,
265.5237, 369.7188

■ 0.0000, 0.0000,
0.0000

■ 24.9456, 33.5823,
58.5933

■ 24.9456, 33.5823,
58.5933

■ 24.9450, 33.5809,
58.5937

■ 25.7313, 34.7299,
58.7741

■ 26.8168, 36.0460,
58.9709

■ 28.3050, 37.5841,
59.1893

■ 30.2490, 39.3718,
59.4319

■ 32.6937, 41.4324,
59.7008

■ 35.6788, 43.7863,
59.9978

■ 39.2397, 46.4519,
60.3247

■ 43.4088, 49.4459,
60.6828

■ 48.2162, 52.7841,
61.0738

Harmonies

Analogous

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



23.0868, 33.5823, 42.1831



24.9456, 33.5823, 58.5933



28.7481, 33.5823, 70.7332

Triad

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



24.9456, 33.5823, 58.5933



42.2990, 33.5823, 46.7934



30.0863, 33.5823, 15.0658

Complementary

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



24.9456, 33.5823, 58.5933



23.6596, 12.7468, 1.2147

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.



35.3148, 33.5823, 15.6743



24.9456, 33.5823, 58.5933



42.7574, 33.5823, 31.4700

Square

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



24.9456, 33.5823, 58.5933



38.8919, 33.5823, 62.7448



40.0840, 33.5823, 20.8927



25.8337, 33.5823, 18.9183

Rectangle

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



24.9456, 33.5823, 58.5933



32.0577, 33.5823, 73.2264



40.0840, 33.5823, 20.8927



31.7806, 33.5823, 14.7890

Sweetspot

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



24.9467, 33.5835, 58.5941



69.1632, 82.0205, 106.7940



20.3509, 40.4513, 7.5533



14.2033, 17.1110, 22.8041



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.



24.9467, 33.5835, 58.5941



44.0411, 59.2023, 103.7137



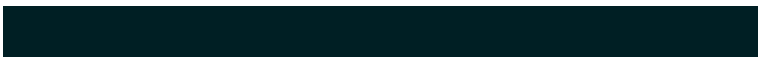
12.7732, 9.2366, 54.5363



10.8233, 11.8207, 13.6287



16.2670, 21.9280, 38.1195



0.8042, 1.1061, 1.8163

Inverse Universe

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



30.7361, 14.9855, 40.3034



54.3591, 26.5077, 71.0144



30.2633, 25.9541, 3.4159



11.0208, 10.7917, 13.0931



20.0102, 9.7536, 26.3271



0.9646, 0.4687, 1.3367

Previews

White Background



This preview shows how the XYZ color 24.9456, 33.5823, 58.5933 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 24.9456, 33.5823, 58.5933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

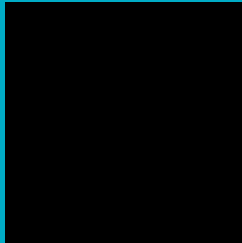
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.9456, 33.5823, 58.5933

Background



This preview shows how black text looks on a background with the XYZ color 24.9456, 33.5823, 58.5933.

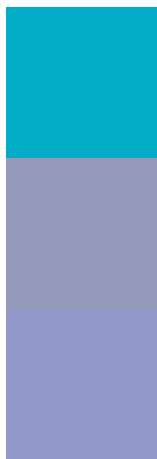


This preview shows how white text looks on a background with the XYZ color 24.9456, 33.5823,

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

24.9456, 33.5823, 58.5933

Protanopia

32.8130, 33.0459, 51.1034

Deuteranopia

33.9060, 33.1577, 60.4902



Tritanopia

23.9132, 33.4750, 52.2147

Trichromacy



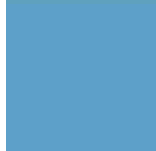
Original Color

24.9456, 33.5823, 58.5933



Protanomaly

26.7584, 31.6403, 53.4121



Deuteranomaly

27.6276, 31.6858, 59.9182



Tritanomaly

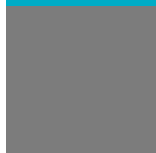
24.3475, 33.6487, 54.5018

Monochromacy



Original Color

24.9456, 33.5823, 58.5933



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

18.3352, 22.9464, 32.7409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9456, 33.5823, 58.5933 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, 172, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 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, 172, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 198) }
```

Border

The CSS property to change the border of an element to XYZ 24.9456, 33.5823, 58.5933 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, 172, 198) }
```


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

```
.border{ border-color:rgb(0, 172, 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, 172, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9456, 33.5823, 58.5933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 198) }
```

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

```
.background{ background-color: rgb(0, 172,  
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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