

Converting Colors

XYZ(25.3695, 34.9774, 56.3354)

Have a look what the booklet for
XYZ(25.3695, 34.9774, 56.3354)
contains.

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Color

**XYZ(25.4146, 35.0239,
56.4597)**

Conversions

Conversions Part 1

Format	Color
Hex	0CB0C2
RGB	12, 176, 194
RGB Percent	5%, 69%, 76%
CMY	0.9528, 0.3098, 0.2392
CMYK	0.94, 0.09, 0.00, 0.24
HSL	186°, 88%, 40%
HSV	186°, 94%, 76%
XYZ	25.4146, 35.0239, 56.4597
YIQ	129.0160, -103.5220, -29.1700

Conversions

Conversions Part 2

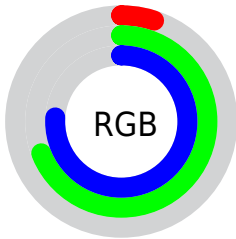
Format	Color
RYB	12, 98, 194
Decimal	831682
CIELab	65.77, -30.32, -19.70
CIELCh	66, 36.162, 213.009
Yxy	35.0239, 0.2174, 0.2996
Android (android.graphics.Color)	4279021762 (0xFF0CB0C2)
YUV	129.0160, 32.0371, -102.6230
Hunter-Lab	59.1810, -26.9120, -15.1370




Details

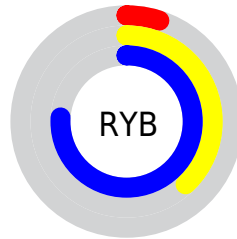
The XYZ color **25.4146, 35.0239, 56.4597** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **22.7803, 12.4266, 1.5470**, and the grayscale version is **20.7938, 21.8766, 23.8237**.




A 20% lighter version of the original color is **51.8627, 67.5618, 101.5741**, and **11.8166, 16.0594, 27.2879** is the 20% darker color. If you saturate the color by 10%, you get **25.0310, 34.4817, 56.3759**, and if you desaturate by 10%, it is **26.2209, 36.0028, 56.6068**.

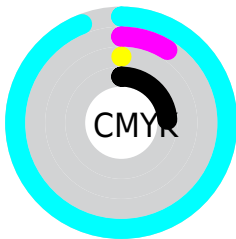
Distribution







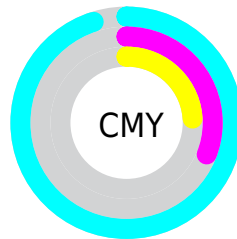
-  Red (5%)
-  Green (69%)
-  Blue (76%)






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



-  Cyan (94%)
-  Magenta (9%)
-  Yellow (0%)
-  Black (24%)



-  Cyan (95%)
-  Magenta (31%)
-  Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4146, 35.0239, 56.4597 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 25.4146, 35.0239, 56.4597 by changing the saturation by 10% instead.

■ 25.4146, 35.0239,
56.4597

■ 25.4146, 35.0239,
56.4597

272.2061,
324.6738, 428.8585

■ 16.5166, 23.6813,
40.1651

■ 51.7671, 67.5228,
101.1689

■ 9.9836, 15.0974,
27.3526

■ 69.9523, 89.4479,
130.4206

■ 5.4503, 8.8877,
17.6034

■ 91.9639, 115.6692,
164.8284

■ 2.5512, 4.6680,
10.4991

■ 118.1674,
146.5712, 204.8109

■ 0.9212, 2.0538,
5.6212

■ 148.9279,
182.5383, 250.7867

■ 0.0000, 0.6385,
2.5511

184.6110,

■ 0.0000, 0.0000,

223.9548, 303.1741

0.8671

225.5820,
271.2052, 362.3919

■ 0.0000, 0.0000,
0.0000

■ 25.4146, 35.0239,
56.4597

■ 25.4146, 35.0239,
56.4597

■ 25.0310, 34.4817,
56.3759

■ 26.2209, 36.0028,
56.6068

■ 27.3840, 37.1728,
56.7714

■ 28.9596, 38.5635,
56.9567

■ 30.9930, 40.1982,
57.1651

■ 33.5236, 42.0972,
57.3983

■ 36.5863, 44.2786,
57.6579

■ 40.2130, 46.7588,
57.9455

■ 44.4331, 49.5531,
58.2624

■ 49.2739, 52.6754,
58.6099

Harmonies

Analogous

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



24.0693, 35.0239, 39.6963



25.4146, 35.0239, 56.4597



28.8519, 35.0239, 70.7165

Triad

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



25.4146, 35.0239, 56.4597



43.2799, 35.0239, 53.0642



32.7542, 35.0239, 15.6955

Complementary

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



25.4146, 35.0239, 56.4597



22.7803, 12.4266, 1.5470

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.



38.1595, 35.0239, 17.5073



25.4146, 35.0239, 56.4597



44.6059, 35.0239, 36.6153

Square

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



25.4146, 35.0239, 56.4597



39.1891, 35.0239, 68.4168



42.6424, 35.0239, 24.2783



28.0133, 35.0239, 18.4401

Rectangle

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



25.4146, 35.0239, 56.4597



32.0575, 35.0239, 75.3077



42.6424, 35.0239, 24.2783



34.5520, 35.0239, 15.7941

Sweetspot

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



25.4157, 35.0252, 56.4606



69.6690, 82.5556, 104.7327



19.6444, 38.7426, 7.4920



14.6423, 17.6557, 22.8861



0.0000, 0.0000, 0.0000



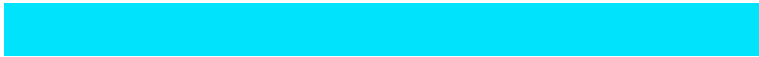
20.3446, 21.4041, 23.3091

Same Dimension

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



25.4157, 35.0252, 56.4606



45.2424, 62.2574, 102.1021



13.3679, 10.9295, 52.4446



10.2807, 11.2526, 12.9150



16.4909, 22.7382, 37.0764



0.7376, 1.0327, 1.6103

Inverse Universe

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



30.2171, 14.8681, 42.3528



54.2394, 26.3521, 75.2479



28.8151, 24.4964, 3.5587



10.4530, 10.2298, 12.4758



19.7198, 9.5777, 27.5002



0.8647, 0.4189, 1.2550

Previews

White Background



This preview shows how the XYZ color 25.4146, 35.0239, 56.4597 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 25.4146, 35.0239, 56.4597 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

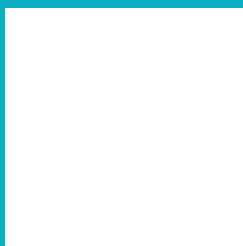
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.4146, 35.0239, 56.4597

Background



This preview shows how black text looks on a background with the XYZ color 25.4146, 35.0239, 56.4597.

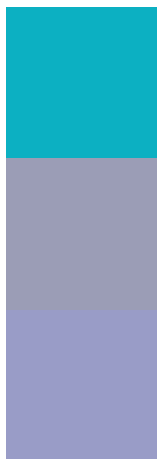


This preview shows how white text looks on a background with the XYZ color 25.4146, 35.0239,

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

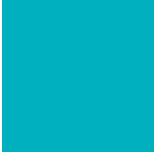
25.4146, 35.0239, 56.4597

Protanopia

34.0180, 34.4599, 49.1145

Deuteranopia

35.3341, 34.6728, 58.8630



Tritanopia

24.9293, 34.8123, 54.6957

Trichromacy



Original Color

25.4146, 35.0239, 56.4597

Protanomaly

27.7319, 32.9797, 51.3585

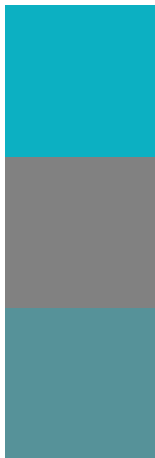
Deuteranomaly

28.6547, 33.0504, 57.6924

Tritanomaly

25.0898, 34.8823, 55.2797

Monochromacy



Original Color

25.4146, 35.0239, 56.4597

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

19.8664, 24.8361, 33.8838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4146, 35.0239, 56.4597 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, 176, 194)` looks like.

```
.text, #text, p{  
    color:rgb(12, 176, 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, 176, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 176, 194) }
```

Border

The CSS property to change the border of an element to XYZ 25.4146, 35.0239, 56.4597 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, 176, 194) }
```


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

```
.border{ border-color:rgb(12, 176, 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, 176, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 176, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 176, 194);  
box-shadow:4px 4px 4px 4px rgb(12, 176,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4146, 35.0239, 56.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 176, 194) }
```

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

```
.background{ background-color: rgb(12, 176,  
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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