

Converting Colors

XYZ(18.2821, 30.9868, 55.9722)

Have a look what the booklet for
XYZ(18.2821, 30.9868, 55.9722)
contains.

XYZ(25.0676, 34.5550, 56.3875)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.0676, 34.5550,
56.3875)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFC2
RGB	0, 175, 194
RGB Percent	0%, 69%, 76%
CMY	0.9998, 0.3137, 0.2392
CMYK	1.00, 0.10, 0.00, 0.24
HSL	186°, 100%, 38%
HSV	186°, 100%, 76%
XYZ	25.0676, 34.5550, 56.3875
YIQ	124.8410, -110.3990, -31.1910

Conversions

Conversions Part 2

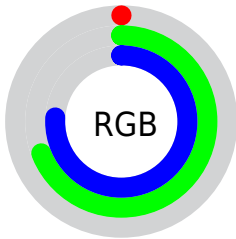
Format	Color
RYB	0, 92, 194
Decimal	44994
CIELab	65.40, -30.22, -20.26
CIELCh	65, 36.383, 213.845
Yxy	34.5550, 0.2161, 0.2979
Android (android.graphics.Color)	4278235074 (0xFF00AFC2)
YUV	124.8410, 34.0954, -109.4856
Hunter-Lab	58.7835, -26.7517, -15.7249

Details

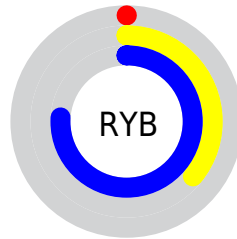
The XYZ color **25.0676, 34.5550, 56.3875** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **22.4822, 11.9367, 1.1203**, and the grayscale version is **19.3599, 20.3681, 22.1809**.

A 20% lighter version of the original color is **51.3553, 66.8836, 101.4699**, and **11.6932, 15.8125, 27.2468** is the 20% darker color. If you saturate the color by 10%, you get **25.0673, 34.5543, 56.3880**, and if you desaturate by 10%, it is **25.7179, 35.4439, 56.5255**.

Distribution



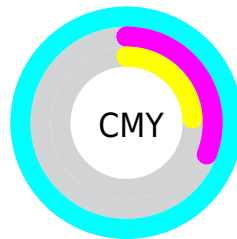
- Red (0%)
- Green (69%)
- Blue (76%)



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



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (31%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0676, 34.5550, 56.3875 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 25.0676, 34.5550, 56.3875 by changing the saturation by 10% instead.

■ 25.0676, 34.5550,
56.3875

■ 25.0676, 34.5550,
56.3875

■ 270.5159,
322.5997, 428.5795

■ 16.2564, 23.3203,
40.1076

■ 51.2090, 66.7958,
101.0624

■ 9.7978, 14.8302,
27.3080

■ 69.2699, 88.5707,
130.2944

■ 5.3263, 8.7003,
17.5702

■ 91.1447, 114.6278,
164.6809

■ 2.4767, 4.5462,
10.4756

■ 117.1989,
145.3514, 204.6405

■ 0.8835, 1.9836,
5.6057

■ 147.7978,
181.1261, 250.5915

■ 0.0000, 0.5979,
2.5420

183.3066,

■ 0.0000, 0.0000,

222.3361, 302.9527

0.8623

224.0909,
269.3658, 362.1425

■ 0.0000, 0.0000,
0.0000

■ 25.0676, 34.5550,
56.3875

■ 25.0676, 34.5550,
56.3875

■ 25.0673, 34.5543,
56.3880

■ 25.7179, 35.4439,
56.5255

■ 26.6491, 36.4847,
56.6773

■ 27.9604, 37.7291,
56.8484

■ 29.7023, 39.2034,
57.0411

■ 31.9175, 40.9296,
57.2576

■ 34.6435, 42.9269,
57.4994

■ 37.9141, 45.2129,
57.7683

■ 41.7600, 47.8035,
58.0656

■ 46.2099, 50.7133,
58.3927

Harmonies

Analogous

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



23.6678, 34.5550, 39.6210



25.0676, 34.5550, 56.3875



28.5425, 34.5550, 70.4748

Triad

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



25.0676, 34.5550, 56.3875



42.8944, 34.5550, 52.0527



32.1631, 34.5550, 15.3298

Complementary

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



25.0676, 34.5550, 56.3875



22.4822, 11.9367, 1.1203

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.



37.5562, 34.5550, 16.9974



25.0676, 34.5550, 56.3875



44.1286, 34.5550, 35.6962

Square

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



25.0676, 34.5550, 56.3875



38.8688, 34.5550, 67.5350



42.0810, 34.5550, 23.5674



27.4754, 34.5550, 18.1790

Rectangle

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



25.0676, 34.5550, 56.3875



31.7602, 34.5550, 74.8591



42.0810, 34.5550, 23.5674



33.9512, 34.5550, 15.3864

Sweetspot

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



25.0687, 34.5562, 56.3883



68.3707, 81.6944, 104.6349



19.3876, 38.6224, 6.9314



14.3919, 17.4882, 22.8670



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.



25.0687, 34.5562, 56.3883



45.3090, 62.3907, 102.1244



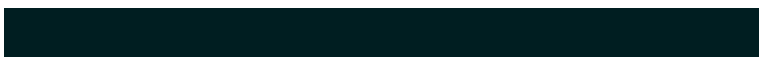
12.6702, 9.7593, 52.2555



10.2815, 11.2543, 12.9152



16.5144, 22.7854, 37.0842



0.7384, 1.0343, 1.6106

Inverse Universe

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



29.9870, 14.5657, 41.7896



54.2731, 26.3656, 75.4250



28.1745, 23.3212, 3.0177



10.4534, 10.2300, 12.4781



19.7317, 9.5824, 27.5629



0.8651, 0.4191, 1.2571

Previews

White Background



This preview shows how the XYZ color 25.0676, 34.5550, 56.3875 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 25.0676, 34.5550, 56.3875 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

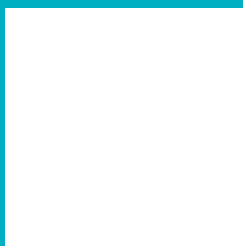
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0676, 34.5550, 56.3875

Background



This preview shows how black text looks on a background with the XYZ color 25.0676, 34.5550, 56.3875.



This preview shows how white text looks on a background with the XYZ color 25.0676, 34.5550,

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

25.0676, 34.5550, 56.3875

Protanopia

33.6373, 34.2636, 49.0966

Deuteranopia

34.9790, 34.2416, 58.7985



Tritanopia

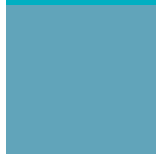
24.6242, 34.3776, 54.0529

Trichromacy



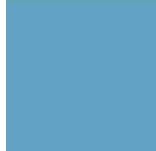
Original Color

25.0676, 34.5550, 56.3875



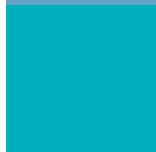
Protanomaly

27.0682, 32.6375, 51.3274



Deuteranomaly

27.9281, 32.4133, 57.6077



Tritanomaly

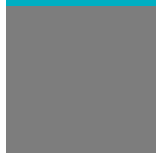
24.7339, 34.4215, 54.6306

Monochromacy



Original Color

25.0676, 34.5550, 56.3875



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

18.6357, 23.5524, 32.4180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0676, 34.5550, 56.3875 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, 175, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 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, 175, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 194) }
```

Border

The CSS property to change the border of an element to XYZ 25.0676, 34.5550, 56.3875 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, 175, 194) }
```


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

```
.border{ border-color:rgb(0, 175, 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, 175, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0676, 34.5550, 56.3875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 194) }
```

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

```
.background{ background-color: rgb(0, 175,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor