

Converting Colors

XYZ(33.8745, 56.2311, 50.1777)

Have a look what the booklet for
XYZ(33.8745, 56.2311, 50.1777)
contains.

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Color

**XYZ(34.4921, 56.4459,
50.1515)**

Conversions

Conversions Part 1

Format	Color
Hex	00E0B0
RGB	0, 224, 176
RGB Percent	0%, 88%, 69%
CMY	0.9999, 0.1216, 0.3098
CMYK	1.00, 0.00, 0.21, 0.12
HSL	167°, 100%, 44%
HSV	167°, 100%, 88%
XYZ	34.4921, 56.4459, 50.1515
YIQ	151.5520, -118.0960, -62.4160

Conversions

Conversions Part 2

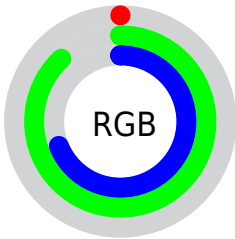
Format	Color
RYB	0, 125, 224
Decimal	57520
CIELab	79.87, -56.58, 10.83
CIELCh	80, 57.607, 169.162
Yxy	56.4459, 0.2445, 0.4001
Android (android.graphics.Color)	4278247600 (0xFF00E0B0)
YUV	151.5520, 12.0529, -132.9111
Hunter-Lab	75.1305, -49.5297, 13.0138

Details

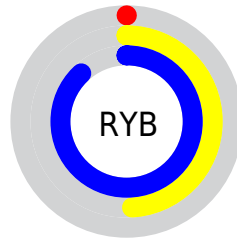
The XYZ color **34.4921, 56.4459, 50.1515** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **31.2761, 16.0622, 4.2517**, and the grayscale version is **29.6429, 31.1866, 33.9622**.

A 20% lighter version of the original color is **56.5098, 80.5343, 88.9102**, and **17.3939, 29.0675, 23.4327** is the 20% darker color. If you saturate the color by 10%, you get **34.4926, 56.4476, 50.1494**, and if you desaturate by 10%, it is **35.3173, 56.8168, 52.7153**.

Distribution



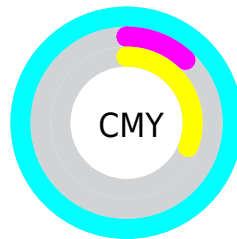
- Red (0%)
- Green (88%)
- Blue (69%)



- Red (0%)
- Yellow (49%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4921, 56.4459, 50.1515 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 34.4921, 56.4459, 50.1515 by changing the saturation by 10% instead.


 34.4921, 56.4459,
50.1515


 34.4921, 56.4459,
50.1515


313.8682,
411.3698, 404.0101


 23.4366, 40.5605,
35.1618


 66.0374, 99.6562,
91.7979


 15.0387, 27.9759,
23.5030


 87.2579, 127.7500,
119.2917


 8.9330, 18.3075,
14.7565


 112.5975,
160.6820, 151.7905

 4.7543, 11.1710,
8.5040

 142.4214,
198.8367, 189.7130

 2.1371, 6.1819,
4.3267

 177.0951,
242.5984, 233.4777

 0.7093, 2.9560,
1.8062

216.9839,

 0.0000, 1.1088,

292.3515, 283.5031

0.4321

262.4531,
348.4805, 340.2077

■ 0.0000, 0.0000,
0.0000

■ 34.4921, 56.4459,
50.1515

■ 34.4921, 56.4459,
50.1515

■ 34.4926, 56.4476,
50.1494

■ 35.3173, 56.8168,
52.7153

■ 36.5522, 57.3956,
55.3856

■ 38.3258, 58.2501,
58.1706

■ 40.7109, 59.4179,
61.0746

■ 43.7688, 60.9305,
64.1011

■ 47.5534, 62.8156,
67.2537

■ 52.1127, 65.0981,
70.5354

■ 57.4908, 67.8007,
73.9489

■ 63.7285, 70.9442,
77.4971

Harmonies

Analogous

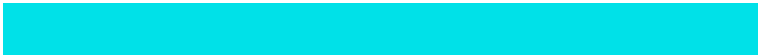
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.4019, 56.4459, 28.2879



34.4921, 56.4459, 50.1515



35.1239, 56.4459, 85.0581

Triad

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



34.4921, 56.4459, 50.1515



61.3574, 56.4459, 144.3366



69.7011, 56.4459, 24.5353

Complementary

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



34.4921, 56.4459, 50.1515



31.2761, 16.0622, 4.2517

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.



77.7585, 56.4459, 42.6879



34.4921, 56.4459, 50.1515



72.4793, 56.4459, 113.7861

Square

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



34.4921, 56.4459, 50.1515



49.5407, 56.4459, 148.6443



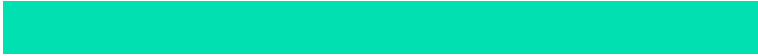
78.8431, 56.4459, 74.3522



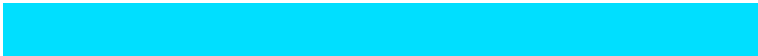
57.9807, 56.4459, 17.4848

Rectangle

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



34.4921, 56.4459, 50.1515



38.0653, 56.4459, 111.6290



78.8431, 56.4459, 74.3522



72.9960, 56.4459, 29.1549

Sweetspot

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



34.4937, 56.4481, 50.1528



69.7567, 87.2529, 94.5203



27.9022, 53.9553, 8.9447



14.3491, 18.3842, 19.8269



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.



34.4937, 56.4481, 50.1528



46.2261, 75.7065, 67.0339



26.1208, 30.7130, 75.0750



13.9842, 15.5194, 16.9520



20.1204, 32.8730, 29.4208



1.4264, 2.2913, 2.2064

Inverse Universe

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



31.2761, 16.0622, 4.2517



41.9213, 21.5325, 5.5175



32.5465, 19.4574, 2.0411



13.8268, 13.7484, 14.8584



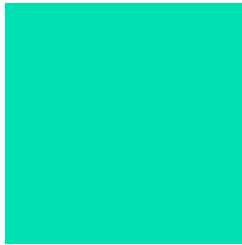
18.2384, 9.3624, 2.6551



1.2972, 0.6621, 0.3577

Previews

White Background



This preview shows how the XYZ color 34.4921, 56.4459, 50.1515 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 34.4921, 56.4459, 50.1515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

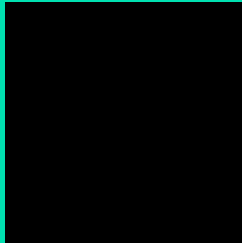
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

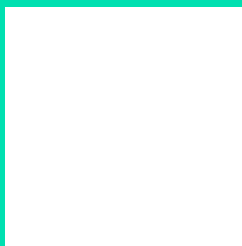
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4921, 56.4459, 50.1515

Background



This preview shows how black text looks on a background with the XYZ color 34.4921, 56.4459, 50.1515.



This preview shows how white text looks on a background with the XYZ color 34.4921, 56.4459,

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

34.4921, 56.4459, 50.1515

Protanopia

52.2739, 55.4984, 42.1395

Deuteranopia

56.5804, 55.5032, 53.0785



Tritanopia

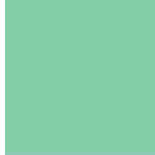
41.8614, 56.3175, 86.5059

Trichromacy



Original Color

34.4921, 56.4459, 50.1515



Protanomaly

38.5621, 51.8382, 44.5325



Deuteranomaly

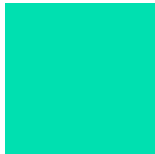
40.2762, 51.1527, 51.4667



Tritanomaly

38.3805, 56.0026, 71.7375

Monochromacy



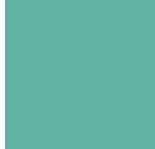
Original Color

34.4921, 56.4459, 50.1515



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

27.2832, 36.9554, 39.4133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4921, 56.4459, 50.1515 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, 224, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 176)  
}
```

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, 224, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 176) }
```

Border

The CSS property to change the border of an element to XYZ 34.4921, 56.4459, 50.1515 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, 224, 176) }
```


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

```
.border{ border-color:rgb(0, 224, 176) }
```

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

Here you see how a box with a 4 pixel rgb(0, 224, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4921, 56.4459, 50.1515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 176) }
```

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

```
.background{ background-color: rgb(0, 224,  
176) }
```

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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