

Converting Colors

XYZ(34.8902, 56.7774, 51.7170)

Have a look what the booklet for
XYZ(34.8902, 56.7774, 51.7170)
contains.

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Color

**XYZ(34.7923, 56.5660,
51.7324)**

Conversions

Conversions Part 1

Format	Color
Hex	00E0B3
RGB	0, 224, 179
RGB Percent	0%, 88%, 70%
CMY	0.9999, 0.1216, 0.2980
CMYK	1.00, 0.00, 0.20, 0.12
HSL	168°, 100%, 44%
HSV	168°, 100%, 88%
XYZ	34.7923, 56.5660, 51.7324
YIQ	151.8940, -119.0590, -61.4830

Conversions

Conversions Part 2

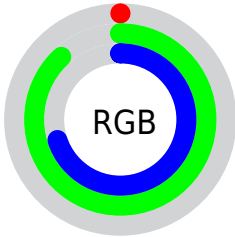
Format	Color
RYB	0, 125, 224
Decimal	57523
CIELab	79.93, -55.84, 9.34
CIELCh	80, 56.617, 170.502
Yxy	56.5660, 0.2431, 0.3953
Android (android.graphics.Color)	4278247603 (0xFF00E0B3)
YUV	151.8940, 13.3633, -133.2110
Hunter-Lab	75.2104, -49.0441, 11.8655

Details

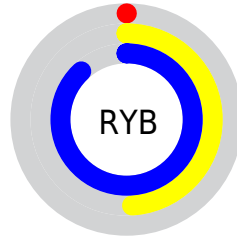
The XYZ color **34.7923, 56.5660, 51.7324** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **31.2162, 16.0382, 3.9362**, and the grayscale version is **29.7848, 31.3359, 34.1248**.

A 20% lighter version of the original color is **56.9397, 80.7063, 91.1741**, and **17.5846, 29.1438, 24.4372** is the 20% darker color. If you saturate the color by 10%, you get **34.7929, 56.5678, 51.7305**, and if you desaturate by 10%, it is **35.5967, 56.9286, 54.1867**.

Distribution



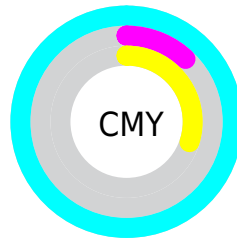
- Red (0%)
- Green (88%)
- Blue (70%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7923, 56.5660, 51.7324 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 34.7923, 56.5660, 51.7324 by changing the saturation by 10% instead.


 34.7923, 56.5660,
51.7324


 34.7923, 56.5660,
51.7324


315.1747,
411.8211, 410.3302


 23.6687, 40.6569,
36.4110


 66.5000, 99.8316,
94.1590


 15.2114, 28.0511,
24.4596


 87.8149, 127.9570,
122.1014


 9.0552, 18.3642,
15.4596


 113.2575,
160.9232, 155.0878

 4.8346, 11.2118,
8.9924

 143.1932,
199.1147, 193.5369

 2.1843, 6.2095,
4.6395

 177.9875,
242.9158, 237.8671

 0.7344, 2.9729,
1.9823

218.0055,

 0.0000, 1.1176,

292.7110, 288.4970

0.5444

263.6128,
348.8846, 345.8452

■ 0.0000, 0.0000,
0.0000

■ 34.7923, 56.5660,
51.7324

■ 34.7923, 56.5660,
51.7324

■ 34.7929, 56.5678,
51.7305

■ 35.5967, 56.9286,
54.1867

■ 36.8088, 57.4983,
56.7371

■ 38.5576, 58.3429,
59.3917

■ 40.9159, 59.4999,
62.1544

■ 43.9449, 61.0009,
65.0290

■ 47.6985, 62.8737,
68.0185

■ 52.2247, 65.1429,
71.1259

■ 57.5676, 67.8314,
74.3540

■ 63.7678, 70.9600,
77.7053

Harmonies

Analogous

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



38.4606, 56.5660, 29.4855



34.7923, 56.5660, 51.7324



35.6187, 56.5660, 86.5032

Triad

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



34.7923, 56.5660, 51.7324



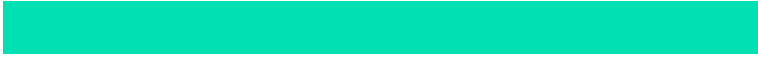
61.8755, 56.5660, 141.8535



69.0695, 56.5660, 24.5429

Complementary

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



34.7923, 56.5660, 51.7324



31.2162, 16.0382, 3.9362

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.



77.2153, 56.5660, 41.9893



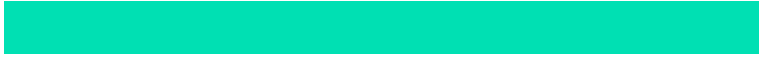
34.7923, 56.5660, 51.7324



72.6687, 56.5660, 111.2125

Square

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



34.7923, 56.5660, 51.7324



50.2018, 56.5660, 147.3983



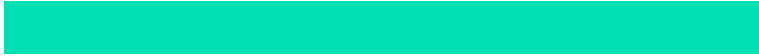
78.6188, 56.5660, 72.6281



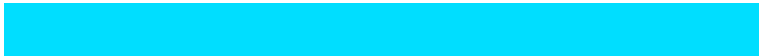
57.4915, 56.5660, 17.9011

Rectangle

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



34.7923, 56.5660, 51.7324



38.6597, 56.5660, 112.4753



78.6188, 56.5660, 72.6281



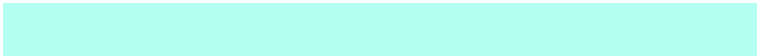
72.3653, 56.5660, 28.9694

Sweetspot

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



34.7939, 56.5682, 51.7337



69.9082, 87.3135, 95.3183



27.9022, 53.9553, 8.9447



14.3856, 18.3988, 20.0193



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.



34.7939, 56.5682, 51.7337



46.6308, 75.8683, 69.1650



26.1208, 30.7130, 75.0751



13.9924, 15.5227, 16.9950



20.2933, 32.9422, 30.3314



1.4370, 2.2955, 2.2621

Inverse Universe

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



31.2162, 16.0382, 3.9362



41.8428, 21.5011, 5.1040



32.5465, 19.4573, 2.0411



13.8193, 13.7453, 14.8185



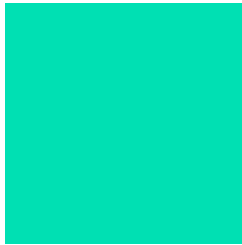
18.2018, 9.3477, 2.4626



1.2936, 0.6607, 0.3389

Previews

White Background



This preview shows how the XYZ color 34.7923, 56.5660, 51.7324 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 34.7923, 56.5660, 51.7324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

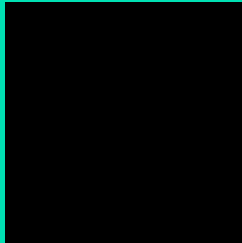
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

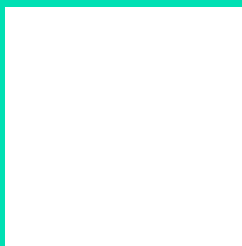
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7923, 56.5660, 51.7324

Background



This preview shows how black text looks on a background with the XYZ color 34.7923, 56.5660, 51.7324.

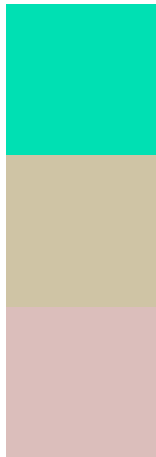


This preview shows how white text looks on a background with the XYZ color 34.7923, 56.5660,

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

34.7923, 56.5660, 51.7324

Protanopia

52.2636, 55.4619, 43.5479

Deuteranopia

56.5965, 55.4748, 54.7385



Tritanopia

42.0480, 56.7952, 86.5883

Trichromacy



Original Color

34.7923, 56.5660, 51.7324



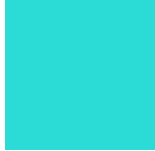
Protanomaly

38.8427, 51.9504, 46.0104



Deuteranomaly

40.4197, 51.1907, 53.0979



Tritanomaly

38.7271, 56.5550, 72.4934

Monochromacy



Original Color

34.7923, 56.5660, 51.7324



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

27.3717, 36.9908, 39.8797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7923, 56.5660, 51.7324 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 179) }
```

Border

The CSS property to change the border of an element to XYZ 34.7923, 56.5660, 51.7324 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, 179) }
```


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

```
.border{ border-color:rgb(0, 224, 179) }
```

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, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7923, 56.5660, 51.7324 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, 179) }
```

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

```
.background{ background-color: rgb(0, 224,  
179) }
```

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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