

Converting Colors

XYZ(35.9724, 54.0894, 67.0337)

Have a look what the booklet for
XYZ(35.9724, 54.0894, 67.0337)
contains.

XYZ(35.9534, 54.0819, 66.9364)	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(35.9534, 54.0819,
66.9364)**

Conversions

Conversions Part 1

Format	Color
Hex	00D9CE
RGB	0, 217, 206
RGB Percent	0%, 85%, 81%
CMY	0.9998, 0.1490, 0.1922
CMYK	1.00, 0.00, 0.05, 0.15
HSL	177°, 100%, 43%
HSV	177°, 100%, 85%
XYZ	35.9534, 54.0819, 66.9364
YIQ	150.8630, -125.8010, -49.4250

Conversions

Conversions Part 2

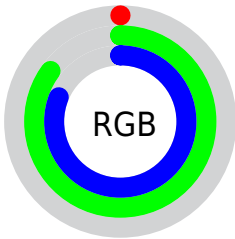
Format	Color
RYB	0, 111, 217
Decimal	55758
CIELab	78.51, -45.76, -7.11
CIELCh	79, 46.310, 188.833
Yxy	54.0819, 0.2290, 0.3445
Android (android.graphics.Color)	4278245838 (0xFF00D9CE)
YUV	150.8630, 27.1825, -132.3069
Hunter-Lab	73.5404, -41.4283, -2.4874

Details

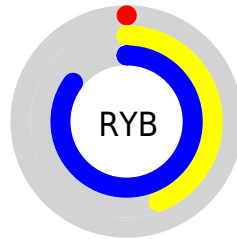
The XYZ color **35.9534, 54.0819, 66.9364** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.6774, 14.7775, 1.6589**, and the grayscale version is **29.2894, 30.8147, 33.5572**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **18.4124, 27.7567, 34.0929** is the 20% darker color. If you saturate the color by 10%, you get **35.9541, 54.0835, 66.9362**, and if you desaturate by 10%, it is **36.4139, 54.3050, 67.6595**.

Distribution



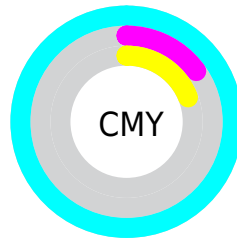
- Red (0%)
- Green (85%)
- Blue (81%)



- Red (0%)
- Yellow (44%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9534, 54.0819, 66.9364 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 35.9534, 54.0819, 66.9364 by changing the saturation by 10% instead.


 35.9534, 54.0819,
66.9364


 35.9534, 54.0819,
66.9364


320.1916,
402.4222, 468.2137


 24.5682, 38.6671,
48.5717

 68.2845, 96.1945,
116.4691


 15.8826, 26.5009,
33.9166


 89.9610, 123.6611,
148.4741


 9.5314, 17.1987,
22.5527


 115.7987,
155.9138, 185.8629

 5.1493, 10.3763,
14.0614

 146.1629,
193.3370, 229.0541

 2.3708, 5.6492,
8.0241

 181.4189,
236.3150, 278.4663

 0.8305, 2.6329,
4.0224

221.9321,

 0.0000, 0.9433,

285.2323, 334.5179

1.6376

268.0679,
340.4732, 397.6275

■ 0.0000, 0.0000,
0.3175

■ 0.0000, 0.0000,
0.0000

■ 35.9534, 54.0819,
66.9364

■ 35.9534, 54.0819,
66.9364

■ 35.9541, 54.0835,
66.9362

■ 36.4139, 54.3050,
67.6595

■ 37.2388, 54.7147,
68.4034

■ 38.5495, 55.3746,
69.1749

■ 40.4131, 56.3195,
69.9772

■ 42.8860, 57.5784,
70.8129

■ 46.0177, 59.1768,
71.6844

■ 49.8528, 61.1377,
72.5937

■ 54.4317, 63.4820,
73.5429

■ 59.7920, 66.2289,
74.5335

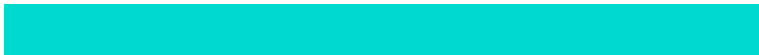
Harmonies

Analogous

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



36.7271, 54.0819, 42.5534



35.9534, 54.0819, 66.9364



38.9207, 54.0819, 96.3117

Triad

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



35.9534, 54.0819, 66.9364



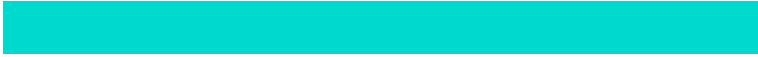
63.1980, 54.0819, 107.2938



57.9969, 54.0819, 23.3789

Complementary

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



35.9534, 54.0819, 66.9364



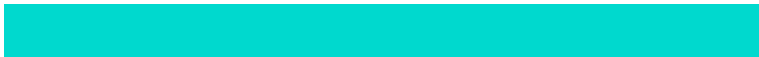
28.6774, 14.7775, 1.6589

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.



66.3044, 54.0819, 32.6811



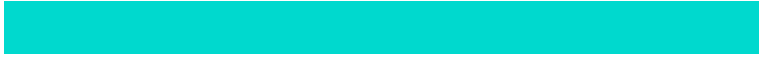
35.9534, 54.0819, 66.9364



69.5455, 54.0819, 78.9396

Square

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



35.9534, 54.0819, 66.9364



54.1423, 54.0819, 123.7343



70.7449, 54.0819, 51.5084



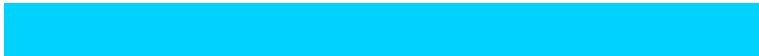
48.7581, 54.0819, 21.9028

Rectangle

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



35.9534, 54.0819, 66.9364



42.8536, 54.0819, 113.1398



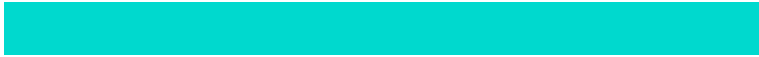
70.7449, 54.0819, 51.5084



61.0204, 54.0819, 25.5263

Sweetspot

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



35.9550, 54.0839, 66.9377



71.6667, 88.0169, 104.5784



25.0030, 49.7249, 8.2814



14.8118, 18.5693, 22.2634



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.



35.9550, 54.0839, 66.9377



51.7974, 77.9350, 96.3719



19.6069, 19.1733, 68.3152



13.4149, 14.8176, 16.6476



21.7762, 32.7431, 40.5824



1.4197, 2.1248, 2.6763

Inverse Universe

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



28.6774, 14.7775, 1.6589



41.3122, 21.2889, 2.3102



32.6246, 22.7685, 2.6766



13.0827, 13.0622, 13.6966



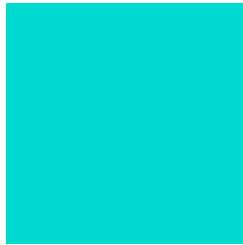
17.3703, 8.9492, 1.0643



1.1350, 0.5836, 0.1197

Previews

White Background



This preview shows how the XYZ color 35.9534, 54.0819, 66.9364 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 35.9534, 54.0819, 66.9364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

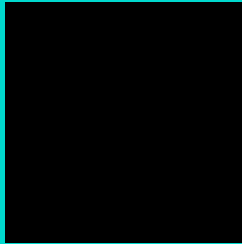
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

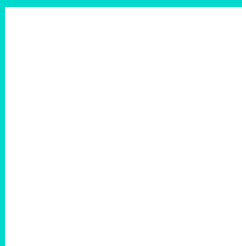
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9534, 54.0819, 66.9364

Background



This preview shows how black text looks on a background with the XYZ color 35.9534, 54.0819, 66.9364.

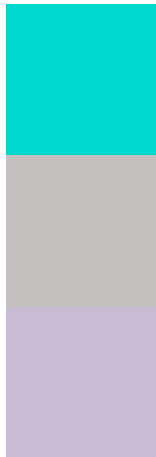


This preview shows how white text looks on a background with the XYZ color 35.9534, 54.0819,

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

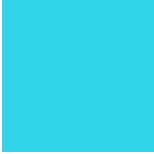
35.9534, 54.0819, 66.9364

Protanopia

51.0186, 53.1966, 56.8692

Deuteranopia

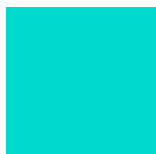
54.1377, 52.9013, 70.3084



Tritanopia

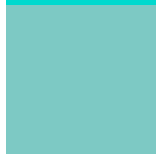
39.4370, 53.9864, 83.9432

Trichromacy



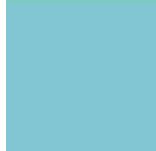
Original Color

35.9534, 54.0819, 66.9364



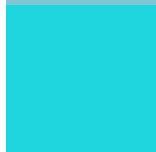
Protanomaly

39.3079, 50.1188, 59.8267



Deuteranomaly

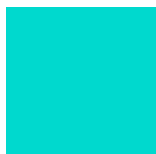
40.8802, 49.7084, 68.4128



Tritanomaly

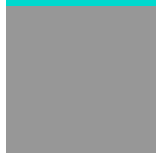
37.7965, 53.6584, 77.4723

Monochromacy



Original Color

35.9534, 54.0819, 66.9364



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.5045, 36.0870, 44.0439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9534, 54.0819, 66.9364 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, 217, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 206)  
}
```

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, 217, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 206) }
```

Border

The CSS property to change the border of an element to XYZ 35.9534, 54.0819, 66.9364 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, 217, 206) }
```


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

```
.border{ border-color:rgb(0, 217, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9534, 54.0819, 66.9364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 206) }
```

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

```
.background{ background-color: rgb(0, 217,  
206) }
```

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