

Converting Colors

XYZ(27.2588, 49.9647, 62.9605)

Have a look what the booklet for
XYZ(27.2588, 49.9647, 62.9605)
contains.

XYZ(35.4967, 54.3129, 63.2562)	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(35.4967, 54.3129,
63.2562)**

Conversions

Conversions Part 1

Format	Color
Hex	00DAC8
RGB	0, 218, 200
RGB Percent	0%, 85%, 78%
CMY	0.9998, 0.1451, 0.2157
CMYK	1.00, 0.00, 0.08, 0.15
HSL	175°, 100%, 43%
HSV	175°, 100%, 85%
XYZ	35.4967, 54.3129, 63.2562
YIQ	150.7660, -124.1500, -51.8140

Conversions

Conversions Part 2

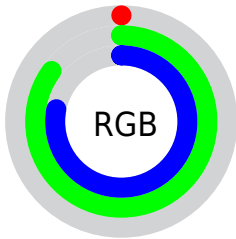
Format	Color
RYB	0, 114, 218
Decimal	56008
CIELab	78.64, -47.88, -3.70
CIELCh	79, 48.021, 184.423
Yxy	54.3129, 0.2319, 0.3548
Android (android.graphics.Color)	4278246088 (0xFF00DAC8)
YUV	150.7660, 24.2724, -132.2218
Hunter-Lab	73.6973, -42.9948, 0.6980

Details

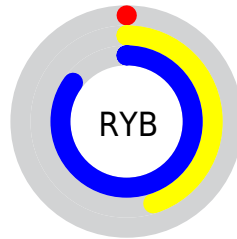
The XYZ color **35.4967, 54.3129, 63.2562** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.0244, 14.9506, 1.9301**, and the grayscale version is **29.2590, 30.7827, 33.5224**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **18.1086, 27.9160, 31.6280** is the 20% darker color. If you saturate the color by 10%, you get **35.4974, 54.3145, 63.2553**, and if you desaturate by 10%, it is **36.0369, 54.5682, 64.3878**.

Distribution



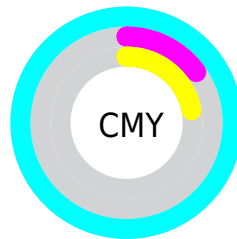
- Red (0%)
- Green (85%)
- Blue (78%)



- Red (0%)
- Yellow (45%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (15%)




- Cyan (100%)
- Magenta (15%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4967, 54.3129, 63.2562 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 35.4967, 54.3129, 63.2562 by changing the saturation by 10% instead.


 35.4967, 54.3129,
63.2562


 35.4967, 54.3129,
63.2562


318.2251,
403.3021, 454.6322


 24.2140, 38.8519,
45.6062


 67.5835, 96.5335,
111.1282

 15.6181, 26.6445,
31.5887

 89.1183, 124.0619,
142.1872


 9.3434, 17.3064,
20.7854


 114.8013,
156.3815, 178.5530

 5.0248, 10.4532,
12.7775

 144.9977,
193.8768, 220.6441

 2.2967, 5.7005,
7.1466

 180.0729,
236.9321, 268.8790

 0.7930, 2.6638,
3.4741

220.3923,

 0.0000, 0.9589,

285.9318, 323.6763

1.3415

266.3213,
341.2603, 385.4545

■ 0.0000, 0.0000,
0.0955

■ 0.0000, 0.0000,
0.0000

■ 35.4967, 54.3129,
63.2562

■ 35.4967, 54.3129,
63.2562

■ 35.4974, 54.3145,
63.2553

■ 36.0369, 54.5682,
64.3878

■ 36.9471, 55.0127,
65.5484

■ 38.3498, 55.7107,
66.7451

■ 40.3129, 56.6974,
67.9811

■ 42.8934, 58.0021,
69.2591

■ 46.1415, 59.6507,
70.5815

■ 50.1022, 61.6663,
71.9505

■ 54.8165, 64.0701,
73.3679

■ 60.3223, 66.8816,
74.8357

Harmonies

Analogous

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



36.8633, 54.3129, 39.3400



35.4967, 54.3129, 63.2562



37.9980, 54.3129, 93.8339

Triad

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



35.4967, 54.3129, 63.2562



62.6293, 54.3129, 113.5048



59.8998, 54.3129, 23.4387

Complementary

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



35.4967, 54.3129, 63.2562



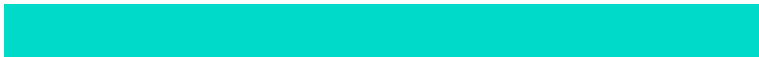
29.0244, 14.9506, 1.9301

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.



68.1679, 54.3129, 34.2610



35.4967, 54.3129, 63.2562



69.8742, 54.3129, 84.6624

Square

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



35.4967, 54.3129, 63.2562



53.0416, 54.3129, 127.9584



72.0152, 54.3129, 55.2016



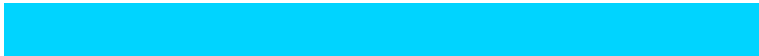
50.2295, 54.3129, 20.8627

Rectangle

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



35.4967, 54.3129, 63.2562



41.7264, 54.3129, 112.5763



72.0152, 54.3129, 55.2016



62.9719, 54.3129, 26.0264

Sweetspot

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



35.4983, 54.3150, 63.2575



71.2843, 87.8639, 102.5649



25.3258, 50.2752, 8.3705



14.7188, 18.5321, 21.7738



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.



35.4983, 54.3150, 63.2575



50.6026, 77.4570, 90.0800



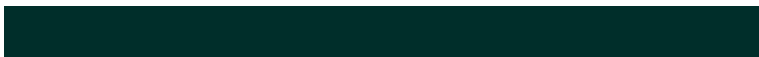
20.2693, 20.2892, 69.1798



13.3961, 14.8100, 16.5485



21.2852, 32.5467, 37.9971



1.3930, 2.1141, 2.5354

Inverse Universe

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



29.0244, 14.9506, 1.9301



41.3759, 21.3144, 2.6457



32.6437, 22.3641, 2.5974



13.0995, 13.0689, 13.7851



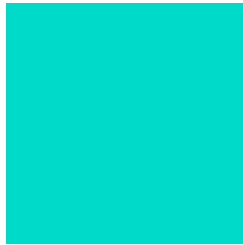
17.4036, 8.9625, 1.2396



1.1430, 0.5868, 0.1619

Previews

White Background



This preview shows how the XYZ color 35.4967, 54.3129, 63.2562 looks on a white background.

Color Contrast Check

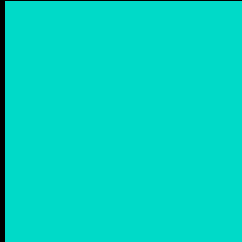
Large Text (above 18pt) WCAG AA × Fail

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 35.4967, 54.3129, 63.2562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

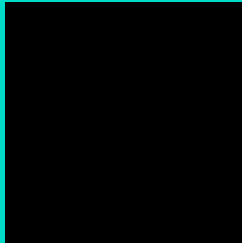
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

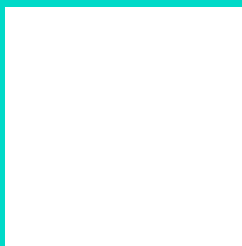
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.4967, 54.3129, 63.2562

Background



This preview shows how black text looks on a background with the XYZ color 35.4967, 54.3129, 63.2562.

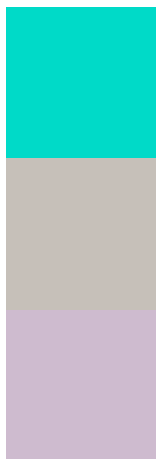


This preview shows how white text looks on a background with the XYZ color 35.4967, 54.3129,

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

35.4967, 54.3129, 63.2562

Protanopia

50.8953, 53.2078, 53.4866

Deuteranopia

54.4864, 53.1675, 66.4221



Tritanopia

39.6863, 54.1149, 83.9548

Trichromacy



Original Color

35.4967, 54.3129, 63.2562



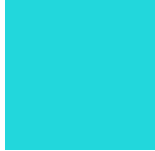
Protanomaly

38.7851, 49.9266, 56.3078



Deuteranomaly

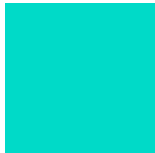
40.4532, 49.5731, 64.5632



Tritanomaly

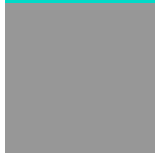
37.8784, 54.1083, 76.1577

Monochromacy



Original Color

35.4967, 54.3129, 63.2562



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.3153, 36.0113, 43.0473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4967, 54.3129, 63.2562 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, 218, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 200)  
}
```

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, 218, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 200) }
```

Border

The CSS property to change the border of an element to XYZ 35.4967, 54.3129, 63.2562 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, 218, 200) }
```


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

```
.border{ border-color:rgb(0, 218, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 218, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 218, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 218,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4967, 54.3129, 63.2562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 218, 200) }
```

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

```
.background{ background-color: rgb(0, 218,  
200) }
```

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