

Converting Colors

XYZ(35.2662, 51.7823, 67.2566)

Have a look what the booklet for
XYZ(35.2662, 51.7823, 67.2566)
contains.

XYZ(35.2849, 51.8388, 67.1777)	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(35.2849, 51.8388,
67.1777)**

Conversions

Conversions Part 1

Format	Color
Hex	1CD4CF
RGB	28, 212, 207
RGB Percent	11%, 83%, 81%
CMY	0.8901, 0.1686, 0.1882
CMYK	0.87, 0.00, 0.02, 0.17
HSL	178°, 77%, 47%
HSV	178°, 87%, 83%
XYZ	35.2849, 51.8388, 67.1777
YIQ	156.4140, -108.0590, -40.5630

Conversions

Conversions Part 2

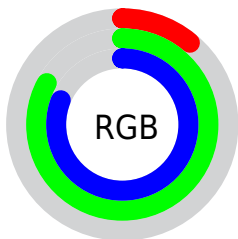
Format	Color
RYB	28, 121, 212
Decimal	1889487
CIELab	77.18, -42.30, -9.60
CIELCh	77, 43.380, 192.785
Yxy	51.8388, 0.2287, 0.3360
Android (android.graphics.Color)	4280079567 (0xFF1CD4CF)
YUV	156.4140, 24.9389, -112.6191
Hunter-Lab	71.9992, -38.5204, -4.9202

Details

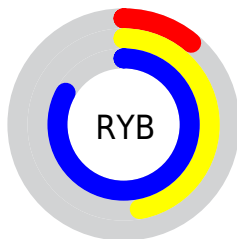
The XYZ color **35.2849, 51.8388, 67.1777** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.8429, 14.9391, 2.8568**, and the grayscale version is **31.7153, 33.3669, 36.3366**.

A 20% lighter version of the original color is **60.7494, 82.3174, 107.2948**, and **17.8067, 26.4138, 34.2969** is the 20% darker color. If you saturate the color by 10%, you get **34.8220, 51.6094, 66.7900**, and if you desaturate by 10%, it is **36.1550, 52.2803, 67.5881**.

Distribution



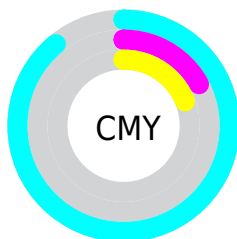
- Red (11%)
- Green (83%)
- Blue (81%)



- Red (11%)
- Yellow (47%)
- Blue (83%)



- Cyan (87%)
- Magenta (0%)
- Yellow (2%)
- Black (17%)





- Cyan (89%)
- Magenta (17%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2849, 51.8388, 67.1777 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 35.2849, 51.8388, 67.1777 by changing the saturation by 10% instead.


 35.2849, 51.8388,
67.1777


 35.2849, 51.8388,
67.1777


317.3101,
393.8140, 469.0957


 24.0500, 36.8766,
48.7665


 67.2580, 92.8935,
116.8181


 15.4956, 25.1120,
34.0700


 88.7269, 119.7547,
148.8844

 9.2565, 16.1605,
22.6696

 114.3378,
151.3511, 186.3394

 4.9673, 9.6378,
14.1467

 144.4561,
188.0670, 229.6019

 2.2627, 5.1595,
8.0829

 179.4471,
230.2869, 279.0902

 0.7755, 2.3411,
4.0595

219.6762,

 0.0000, 0.7954,

278.3951, 335.2229

1.6580

265.5088,
332.7760, 398.4186

■ 0.0000, 0.0000,
0.3317

■ 0.0000, 0.0000,
0.0000

■ 35.2849, 51.8388,
67.1777

■ 35.2849, 51.8388,
67.1777

■ 34.8220, 51.6094,
66.7900


■ 36.1550, 52.2803,
67.5881


■ 34.7140, 51.5563,
66.6671

■ 37.5049, 52.9681,
68.0212

■ 39.3958, 53.9346,
68.4809


■ 41.8785, 55.2063,
68.9696

 44.9982, 56.8062,
69.4895

 48.7954, 58.7555,
70.0425

 53.3077, 61.0733,
70.6303

 58.5694, 63.7775,
71.2545

 64.6131, 66.8847,
71.9166

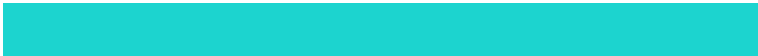
Harmonies

Analogous

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



35.5412, 51.8388, 43.9646



35.2849, 51.8388, 67.1777



38.4590, 51.8388, 93.5430

Triad

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



35.2849, 51.8388, 67.1777



60.9299, 51.8388, 97.0869



54.1487, 51.8388, 23.0666

Complementary

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



35.2849, 51.8388, 67.1777



27.8429, 14.9391, 2.8568

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.



61.9408, 51.8388, 30.7355



35.2849, 51.8388, 67.1777



66.1476, 51.8388, 71.0853

Square

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



35.2849, 51.8388, 67.1777



52.8891, 51.8388, 113.8015



66.5371, 51.8388, 46.9186



45.8222, 51.8388, 22.5665

Rectangle

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



35.2849, 51.8388, 67.1777



42.3249, 51.8388, 107.6470



66.5371, 51.8388, 46.9186



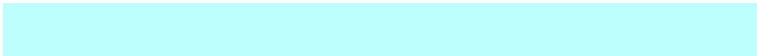
56.9388, 51.8388, 24.7661

Sweetspot

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



35.2865, 51.8407, 67.1789



74.4331, 89.4049, 106.4275



24.4190, 47.5152, 8.9845



15.4697, 18.8991, 22.7155



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.



35.2865, 51.8407, 67.1789



52.7138, 78.3015, 101.1976



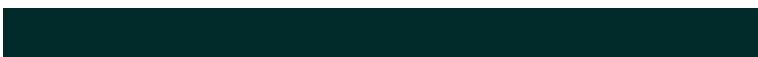
19.8432, 19.9600, 65.0961



12.7769, 14.1018, 15.9057



21.4364, 31.8299, 41.1893



1.2977, 1.9217, 2.5092

Inverse Universe

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



27.8429, 14.9391, 2.8568



41.2780, 21.2752, 2.1300



33.3660, 26.0893, 4.3773



12.4368, 12.4262, 12.9745



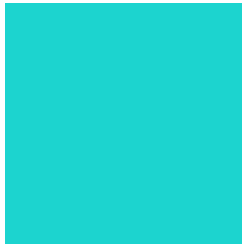
16.7874, 8.6513, 0.9184



1.0175, 0.5238, 0.0813

Previews

White Background



This preview shows how the XYZ color 35.2849, 51.8388, 67.1777 looks on a white background.

Color Contrast Check

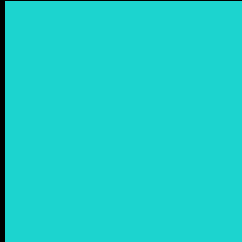
Large Text (above 18pt) WCAG AA × Fail

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 35.2849, 51.8388, 67.1777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

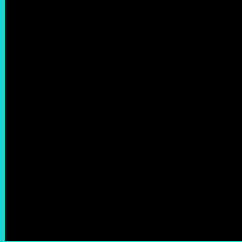
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

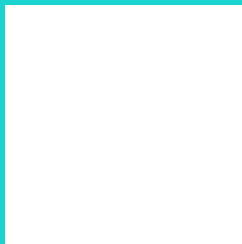
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.2849, 51.8388, 67.1777

Background



This preview shows how black text looks on a background with the XYZ color 35.2849, 51.8388, 67.1777.

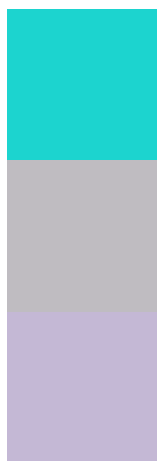


This preview shows how white text looks on a background with the XYZ color 35.2849, 51.8388,

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

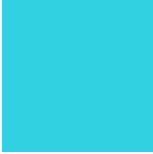
35.2849, 51.8388, 67.1777

Protanopia

49.0947, 50.8931, 57.6879

Deuteranopia

51.9157, 50.8208, 70.0239



Tritanopia

37.8433, 51.7700, 79.9496

Trichromacy



Original Color

35.2849, 51.8388, 67.1777



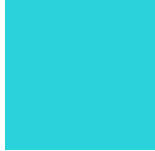
Protanomaly

39.6750, 48.9153, 60.7766



Deuteranomaly

41.0413, 48.4376, 68.8143



Tritanomaly

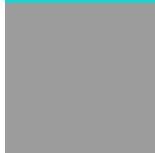
36.7876, 51.6999, 75.0580

Monochromacy



Original Color

35.2849, 51.8388, 67.1777



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.5699, 37.3970, 46.2173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2849, 51.8388, 67.1777 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(28, 212, 207)` looks like.

```
.text, #text, p{  
    color:rgb(28, 212, 207)  
}
```

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(28, 212, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 212, 207) }
```

Border

The CSS property to change the border of an element to XYZ 35.2849, 51.8388, 67.1777 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(28, 212, 207) }
```


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

```
.border{ border-color:rgb(28, 212, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 212, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 212, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 212, 207);  
box-shadow:4px 4px 4px 4px rgb(28, 212,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2849, 51.8388, 67.1777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 212, 207) }
```

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

```
.background{ background-color: rgb(28, 212,  
207) }
```

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