

Converting Colors

XYZ(35.2835, 50.7234, 68.3184)

Have a look what the booklet for
XYZ(35.2835, 50.7234, 68.3184)
contains.

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Color

**XYZ(35.2639, 50.6966,
68.2484)**

Conversions

Conversions Part 1

Format	Color
Hex	2AD1D1
RGB	42, 209, 209
RGB Percent	16%, 82%, 82%
CMY	0.8352, 0.1804, 0.1804
CMYK	0.80, 0.00, 0.00, 0.18
HSL	180°, 67%, 49%
HSV	180°, 80%, 82%
XYZ	35.2639, 50.6966, 68.2484
YIQ	159.0670, -99.5320, -35.4040

Conversions

Conversions Part 2

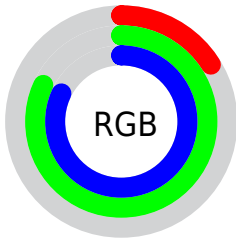
Format	Color
R_{YB}	42, 126, 209
Decimal	2806225
CIE _{Lab}	76.49, -39.40, -11.69
CIE _{LCh}	76, 41.101, 196.522
Yxy	50.6966, 0.2287, 0.3288
Android (android.graphics.Color)	4280996305 (0xFF2AD1D1)
YUV	159.0670, 24.6170, -102.6678
Hunter-Lab	71.2015, -36.1972, -6.9898

Details

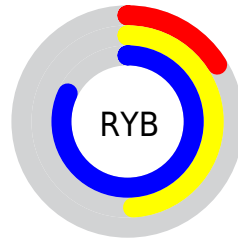
The XYZ color **35.2639, 50.6966, 68.2484** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **27.5420, 15.3800, 3.7090**, and the grayscale version is **32.9114, 34.6253, 37.7070**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **17.4720, 25.4778, 35.0072** is the 20% darker color. If you saturate the color by 10%, you get **34.6217, 50.3666, 68.2194**, and if you desaturate by 10%, it is **36.3545, 51.2599, 68.3007**.

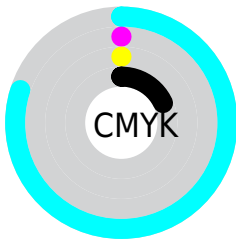
Distribution



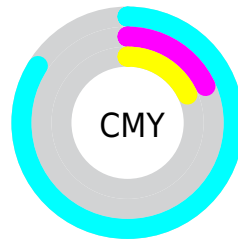
- Red (16%)
- Green (82%)
- Blue (82%)



- Red (16%)
- Yellow (49%)
- Blue (82%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)



- Cyan (84%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2639, 50.6966, 68.2484 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 35.2639, 50.6966, 68.2484 by changing the saturation by 10% instead.

35.2639, 50.6966,
68.2484

35.2639, 50.6966,
68.2484

317.2193,
389.3839, 472.9975

24.0337, 35.9672,
49.6319

67.2257, 91.2061,
118.3650

15.4835, 24.4089,
34.7519

88.6881, 117.7551,
150.7022

9.2479, 15.6372,
23.1898

114.2918,
149.0126, 188.4500

4.9616, 9.2678,
14.5271

144.4023,
185.3632, 232.0270

2.2593, 4.9163,
8.3452

179.3850,
227.1913, 281.8517

0.7737, 2.1982,
4.2257

219.6051,

0.0000, 0.7190,

274.8811, 338.3427

1.7500

265.4281,
328.8172, 401.9184

■ 0.0000, 0.0000,
0.3946

■ 0.0000, 0.0000,
0.0000

■ 35.2639, 50.6966,
68.2484

■ 35.2639, 50.6966,
68.2484

■ 34.6217, 50.3666,
68.2194

■ 36.3545, 51.2599,
68.3007

■ 34.3126, 50.2073,
68.2048

■ 37.9497, 52.0823,
68.3755

■ 34.3100, 50.2059,
68.2046

■ 40.1024, 53.1920,
68.4764

■ 42.8577, 54.6124,
68.6055

■ 46.2561, 56.3644,
68.7646

■ 50.3345, 58.4669,
68.9557

■ 55.1272, 60.9376,
69.1801

■ 60.6660, 63.7930,
69.4394

■ 66.9809, 67.0484,
69.7351

Harmonies

Analogous

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



35.0978, 50.6966, 45.8378



35.2639, 50.6966, 68.2484



38.6416, 50.6966, 92.3228

Triad

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



35.2639, 50.6966, 68.2484



59.8285, 50.6966, 90.0829



51.7432, 50.6966, 23.2289

Complementary

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



35.2639, 50.6966, 68.2484



27.5420, 15.3800, 3.7090

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.



59.1843, 50.6966, 29.6609



35.2639, 50.6966, 68.2484



64.1791, 50.6966, 65.7573

Square

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



35.2639, 50.6966, 68.2484



52.5490, 50.6966, 107.0605



63.9315, 50.6966, 43.9307



44.0707, 50.6966, 23.5599

Rectangle

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



35.2639, 50.6966, 68.2484



42.4889, 50.6966, 104.3293



63.9315, 50.6966, 43.9307



54.3700, 50.6966, 24.5783

Sweetspot

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



35.2654, 50.6985, 68.2496



76.0067, 90.1828, 108.0083



24.2927, 46.3230, 9.8527



15.7852, 19.0537, 23.0956



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.



35.2654, 50.6985, 68.2496



53.9373, 78.8057, 106.9739



20.2217, 20.6107, 63.2361



12.1584, 13.4071, 15.1906



21.1538, 30.9545, 42.0516



1.1828, 1.7308, 2.3513

Inverse Universe

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



27.5420, 15.3800, 3.7090



41.4066, 21.5038, 2.2612



33.7625, 27.8209, 5.7823



11.8088, 11.8083, 12.2689



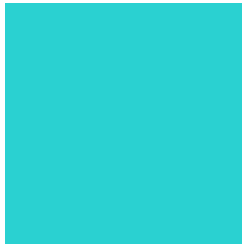
16.2124, 8.3578, 0.7588



0.9065, 0.4673, 0.0424

Previews

White Background



This preview shows how the XYZ color 35.2639, 50.6966, 68.2484 looks on a white background.

Color Contrast Check

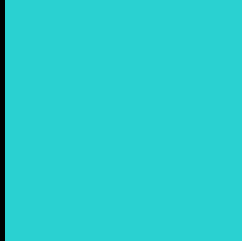
Large Text (above 18pt) WCAG AA × Fail

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 35.2639, 50.6966, 68.2484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

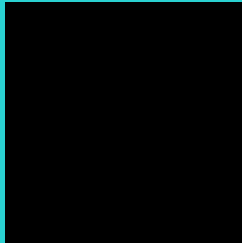
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

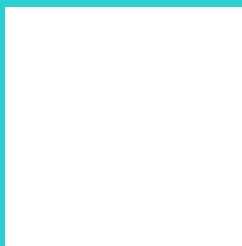
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.2639, 50.6966, 68.2484

Background



This preview shows how black text looks on a background with the XYZ color 35.2639, 50.6966, 68.2484.

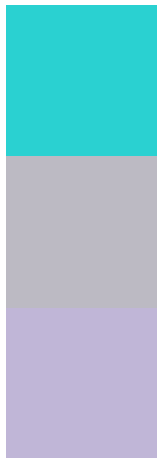


This preview shows how white text looks on a background with the XYZ color 35.2639, 50.6966,

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

35.2639, 50.6966, 68.2484

Protanopia

48.1483, 49.7493, 58.6946

Deuteranopia

50.7319, 49.5687, 71.1838



Tritanopia

37.3429, 50.8197, 78.3620

Trichromacy



Original Color

35.2639, 50.6966, 68.2484



Protanomaly

39.7088, 47.9046, 61.7972



Deuteranomaly

41.1764, 47.8217, 70.0111



Tritanomaly

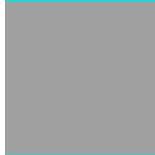
36.6575, 50.9043, 74.9113

Monochromacy



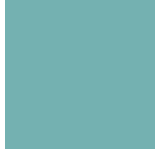
Original Color

35.2639, 50.6966, 68.2484



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.8604, 38.3316, 47.3672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2639, 50.6966, 68.2484 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(42, 209, 209)` looks like.

```
.text, #text, p{  
    color:rgb(42, 209, 209)  
}
```

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(42, 209, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 209, 209) }
```

Border

The CSS property to change the border of an element to XYZ 35.2639, 50.6966, 68.2484 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(42, 209, 209) }
```


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

```
.border{ border-color:rgb(42, 209, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 209, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 209, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 209, 209);  
box-shadow:4px 4px 4px 4px rgb(42, 209,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2639, 50.6966, 68.2484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 209, 209) }
```

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

```
.background{ background-color: rgb(42, 209,  
209) }
```

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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