

Converting Colors

XYZ(35.7585, 50.9257, 70.6972)

Have a look what the booklet for
XYZ(35.7585, 50.9257, 70.6972)
contains.

XYZ(35.7655, 50.8973, 70.8899)	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(35.7655, 50.8973,
70.8899)**

Conversions

Conversions Part 1

Format	Color
Hex	2AD1D5
RGB	42, 209, 213
RGB Percent	16%, 82%, 84%
CMY	0.8352, 0.1804, 0.1647
CMYK	0.80, 0.02, 0.00, 0.16
HSL	181°, 67%, 50%
HSV	181°, 80%, 84%
XYZ	35.7655, 50.8973, 70.8899
YIQ	159.5230, -100.8160, -34.1600

Conversions

Conversions Part 2

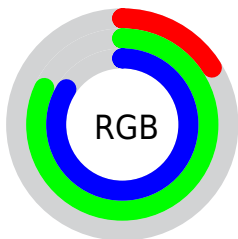
Format	Color
R_{YB}	42, 126, 213
Decimal	2806229
CIE _{Lab}	76.62, -38.23, -13.66
CIE _{LCh}	77, 40.600, 199.658
Yxy	50.8973, 0.2270, 0.3230
Android (android.graphics.Color)	4280996309 (0xFF2AD1D5)
YUV	159.5230, 26.3642, -103.0677
Hunter-Lab	71.3423, -35.3631, -8.9744

Details

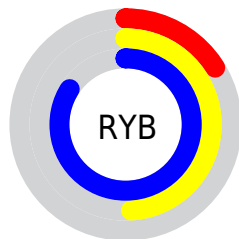
The XYZ color **35.7655, 50.8973, 70.8899** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **28.8366, 16.2685, 3.8120**, and the grayscale version is **33.1126, 34.8370, 37.9375**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **17.7272, 25.5798, 36.3508** is the 20% darker color. If you saturate the color by 10%, you get **34.9929, 50.3190, 70.8199**, and if you desaturate by 10%, it is **37.0040, 51.7186, 70.9841**.

Distribution



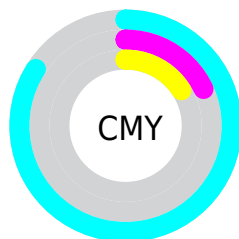
- Red (16%)
- Green (82%)
- Blue (84%)



- Red (16%)
- Yellow (49%)
- Blue (84%)



- Cyan (80%)
- Magenta (2%)
- Yellow (0%)
- Black (16%)



- Cyan (84%)
- Magenta (18%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7655, 50.8973, 70.8899 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 35.7655, 50.8973, 70.8899 by changing the saturation by 10% instead.

35.7655, 50.8973,
70.8899

35.7655, 50.8973,
70.8899

319.3836,
390.1646, 482.5417

24.4224, 36.1269,
51.7711

67.9962, 91.5029,
122.1699

15.7737, 24.5322,
36.4416

89.6145, 118.1070,
155.1682

9.4540, 15.7289,
24.4831

115.3887,
149.4243, 193.6301

5.0979, 9.3325,
15.4769

145.6839,
185.8394, 237.9740

2.3402, 4.9587,
9.0044

180.8657,
227.7365, 288.6186

0.8151, 2.2230,
4.6472

221.2993,

0.0000, 0.7325,

275.5002, 345.9824

1.9867

267.3502,
329.5148, 410.4840

■ 0.0000, 0.0000,
0.5471

■ 0.0000, 0.0000,
0.0000

■ 35.7655, 50.8973,
70.8899

■ 35.7655, 50.8973,
70.8899

■ 34.9929, 50.3190,
70.8199


■ 37.0040, 51.7186,
70.9841


■ 34.5714, 49.9261,
70.7663


■ 38.7682, 52.8103,
71.1018


■ 41.1136, 54.2022,
71.2469


■ 44.0878, 55.9189,
71.4215

 47.7334, 57.9822,
71.6276

 52.0892, 60.4122,
71.8671

 57.1911, 63.2275,
72.1416

 63.0725, 66.4452,
72.4526

 69.7650, 70.0815,
72.8018

Harmonies

Analogous

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



35.2606, 50.8973, 48.1712



35.7655, 50.8973, 70.8899



39.4369, 50.8973, 94.2845

Triad

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



35.7655, 50.8973, 70.8899



60.5209, 50.8973, 87.5334



51.0747, 50.8973, 23.3682

Complementary

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



35.7655, 50.8973, 70.8899



28.8366, 16.2685, 3.8120

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.



58.5739, 50.8973, 29.0400



35.7655, 50.8973, 70.8899



64.3976, 50.8973, 63.3586

Square

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



35.7655, 50.8973, 70.8899



53.5135, 50.8973, 105.5178



63.6496, 50.8973, 42.3798



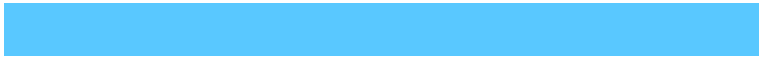
43.5789, 50.8973, 24.3817

Rectangle

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



35.7655, 50.8973, 70.8899



43.4248, 50.8973, 105.2531



63.6496, 50.8973, 42.3798



53.6907, 50.8973, 24.4816

Sweetspot

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



35.7671, 50.8992, 70.8911



75.5520, 89.2732, 107.8572



25.2210, 48.2701, 10.4566



15.6735, 18.8302, 23.0585



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.



35.7671, 50.8992, 70.8911



52.1387, 75.2079, 106.3763



20.2561, 19.8773, 65.7208



12.7661, 14.0557, 15.9777



21.1286, 30.5189, 43.2303



1.2824, 1.8569, 2.6101

Inverse Universe

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



39.7784, 20.4068, 62.1660



58.4927, 28.3382, 92.2352



35.8893, 30.3740, 6.1629



12.9399, 12.6275, 15.6238



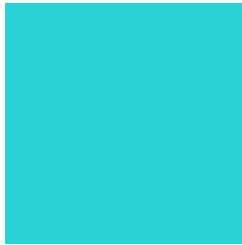
23.7236, 11.4258, 37.4440



1.4350, 0.6908, 2.2799

Previews

White Background



This preview shows how the XYZ color 35.7655, 50.8973, 70.8899 looks on a white background.

Color Contrast Check

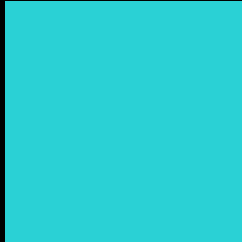
Large Text (above 18pt) WCAG AA × Fail

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 35.7655, 50.8973, 70.8899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

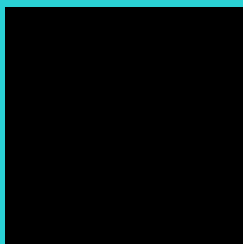
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

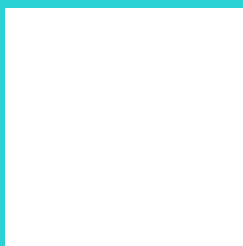
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7655, 50.8973, 70.8899

Background



This preview shows how black text looks on a background with the XYZ color 35.7655, 50.8973, 70.8899.

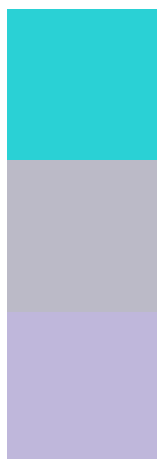


This preview shows how white text looks on a background with the XYZ color 35.7655, 50.8973,

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

35.7655, 50.8973, 70.8899

Protanopia

48.3612, 49.8061, 61.0975

Deuteranopia

51.2055, 50.0578, 73.9811



Tritanopia

37.1835, 50.7375, 78.3546

Trichromacy



Original Color

35.7655, 50.8973, 70.8899



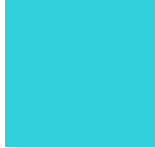
Protanomaly

40.0224, 48.0115, 64.2845



Deuteranomaly

41.6905, 48.0274, 72.7185



Tritanomaly

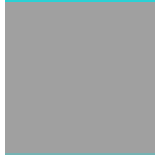
36.6931, 50.9074, 75.6023

Monochromacy



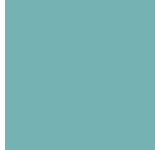
Original Color

35.7655, 50.8973, 70.8899



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.3932, 38.8774, 48.4973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7655, 50.8973, 70.8899 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(42, 209, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 209, 213) }
```

Border

The CSS property to change the border of an element to XYZ 35.7655, 50.8973, 70.8899 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, 213) }
```


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

```
.border{ border-color:rgb(42, 209, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 209, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 209, 213);  
box-shadow:4px 4px 4px 4px rgb(42, 209,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7655, 50.8973, 70.8899 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, 213) }
```

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

```
.background{ background-color: rgb(42, 209,  
213) }
```

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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