

Converting Colors

XYZ(35.5080, 52.1858, 65.1440)

Have a look what the booklet for
XYZ(35.5080, 52.1858, 65.1440)
contains.

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Color

**XYZ(35.6896, 52.4617,
65.3718)**

Conversions

Conversions Part 1

Format	Color
Hex	2BD5CC
RGB	43, 213, 204
RGB Percent	17%, 84%, 80%
CMY	0.8313, 0.1647, 0.2000
CMYK	0.80, 0.00, 0.04, 0.16
HSL	177°, 67%, 50%
HSV	177°, 80%, 84%
XYZ	35.6896, 52.4617, 65.3718
YIQ	161.1440, -98.4310, -38.8390

Conversions

Conversions Part 2

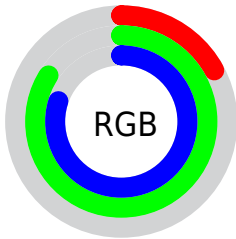
Format	Color
RYB	43, 130, 213
Decimal	2872780
CIELab	77.56, -42.54, -7.42
CIELCh	78, 43.180, 189.893
Yxy	52.4617, 0.2325, 0.3417
Android (android.graphics.Color)	4281062860 (0xFF2BD5CC)
YUV	161.1440, 21.1280, -103.6123
Hunter-Lab	72.4304, -38.7987, -2.8106

Details

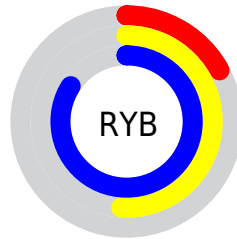
The XYZ color **35.6896, 52.4617, 65.3718** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **28.9261, 16.1235, 4.8383**, and the grayscale version is **33.8834, 35.6480, 38.8206**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **17.5620, 26.3160, 33.0080** is the 20% darker color. If you saturate the color by 10%, you get **34.8841, 52.0632, 64.6315**, and if you desaturate by 10%, it is **36.9650, 53.1047, 66.1415**.

Distribution



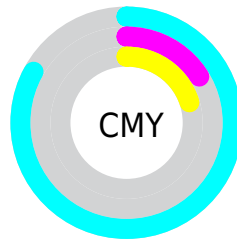
- Red (17%)
- Green (84%)
- Blue (80%)



- Red (17%)
- Yellow (51%)
- Blue (84%)



- Cyan (80%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)





- Cyan (83%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6896, 52.4617, 65.3718 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 35.6896, 52.4617, 65.3718 by changing the saturation by 10% instead.


 35.6896, 52.4617,
65.3718


 35.6896, 52.4617,
65.3718


319.0568,
396.2164, 462.4696


 24.3636, 37.3732,
47.3094

 67.8797, 93.8118,
114.2026

 15.7297, 25.4966,
32.9242


 89.4745, 120.8422,
145.8081

 9.4227, 16.4474,
21.7977


 115.2229,
152.6220, 182.7649

 5.0772, 9.8413,
13.5115

 145.4903,
189.5357, 225.4918

 2.3279, 5.2939,
7.6468

 180.6420,
231.9676, 274.4071

 0.8089, 2.4207,
3.7853

221.0434,

 0.0000, 0.8365,

280.3020, 329.9295

1.5083

267.0599,
334.9235, 392.4775

■ 0.0000, 0.0000,
0.2241

■ 0.0000, 0.0000,
0.0000

■ 35.6896, 52.4617,
65.3718

■ 35.6896, 52.4617,
65.3718

■ 34.8841, 52.0632,
64.6315

■ 36.9650, 53.1047,
66.1415

■ 34.4308, 51.8450,
63.9117

■ 38.7693, 54.0190,
66.9399

■ 34.4230, 51.8413,
63.8978

■ 41.1579, 55.2345,
67.7708

■ 44.1780, 56.7754,
68.6364

■ 47.8720, 58.6635,
69.5387

■ 52.2785, 60.9189,
70.4795

■ 57.4334, 63.5600,
71.4606

■ 63.3701, 66.6040,
72.4833

■ 70.1198, 70.0670,
73.5494

Harmonies

Analogous

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



36.2834, 52.4617, 42.7586



35.6896, 52.4617, 65.3718



38.5557, 52.4617, 91.8842

Triad

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



35.6896, 52.4617, 65.3718



60.8582, 52.4617, 100.0420



55.5749, 52.4617, 23.9653

Complementary

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



35.6896, 52.4617, 65.3718



28.9261, 16.1235, 4.8383

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.



63.1901, 52.4617, 32.4624



35.6896, 52.4617, 65.3718



66.4681, 52.4617, 74.3877

Square

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



35.6896, 52.4617, 65.3718



52.6663, 52.4617, 115.2792



67.3660, 52.4617, 49.5970



47.1615, 52.4617, 22.8002

Rectangle

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



35.6896, 52.4617, 65.3718



42.2524, 52.4617, 106.7071



67.3660, 52.4617, 49.5970



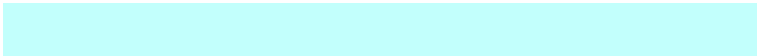
58.3373, 52.4617, 25.9175

Sweetspot

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



35.6912, 52.4637, 65.3731



75.4894, 89.9759, 105.2839



25.7713, 48.5585, 10.3013



15.6582, 19.0029, 22.4267



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.



35.6912, 52.4637, 65.3731



51.9202, 77.9988, 96.3522



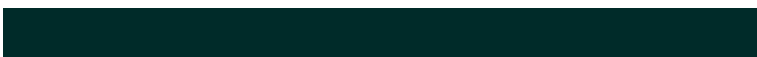
22.2896, 23.8824, 66.3878



12.7625, 14.0960, 15.8296



21.0387, 31.6708, 39.0948



1.2778, 1.9138, 2.4049

Inverse Universe

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



28.9261, 16.1235, 4.8383



41.5070, 21.5439, 2.7899



34.2014, 26.9684, 5.6897



12.4496, 12.4314, 13.0421



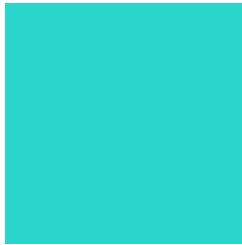
16.8115, 8.6609, 1.0455



1.0236, 0.5262, 0.1135

Previews

White Background



This preview shows how the XYZ color 35.6896, 52.4617, 65.3718 looks on a white background.

Color Contrast Check

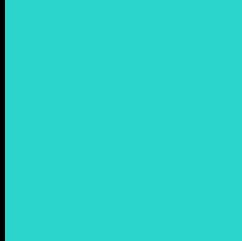
Large Text (above 18pt) WCAG AA × Fail

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 35.6896, 52.4617, 65.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

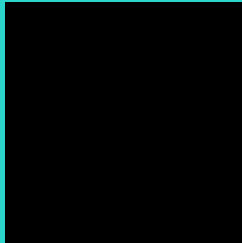
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

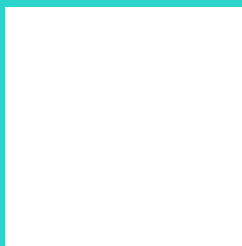
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6896, 52.4617, 65.3718

Background



This preview shows how black text looks on a background with the XYZ color 35.6896, 52.4617, 65.3718.

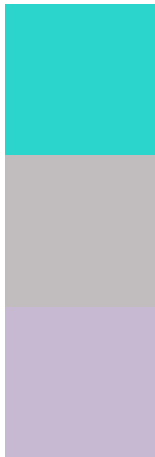


This preview shows how white text looks on a background with the XYZ color 35.6896, 52.4617,

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

35.6896, 52.4617, 65.3718

Protanopia

49.4842, 51.4504, 56.0380

Deuteranopia

52.5350, 51.4932, 68.1431



Tritanopia

38.8362, 52.6313, 80.7850

Trichromacy



Original Color

35.6896, 52.4617, 65.3718



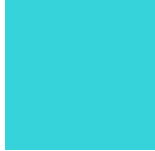
Protanomaly

40.5256, 49.7316, 59.0930



Deuteranomaly

42.0556, 49.3351, 66.9806



Tritanomaly

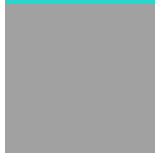
37.6018, 52.4873, 75.1671

Monochromacy



Original Color

35.6896, 52.4617, 65.3718



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.7283, 39.6684, 47.5795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6896, 52.4617, 65.3718 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(43, 213, 204)` looks like.

```
.text, #text, p{  
    color:rgb(43, 213, 204)  
}
```

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(43, 213, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 213, 204) }
```

Border

The CSS property to change the border of an element to XYZ 35.6896, 52.4617, 65.3718 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(43, 213, 204) }
```


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

```
.border{ border-color:rgb(43, 213, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 213, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 213, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 213, 204);  
box-shadow:4px 4px 4px 4px rgb(43, 213,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6896, 52.4617, 65.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 213, 204) }
```

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

```
.background{ background-color: rgb(43, 213,  
204) }
```

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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