

Converting Colors

XYZ(36.0233, 51.6047, 65.0389)

Have a look what the booklet for
XYZ(36.0233, 51.6047, 65.0389)
contains.

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Color

**XYZ(35.9956, 51.5096,
65.1719)**

Conversions

Conversions Part 1

Format	Color
Hex	3FD2CC
RGB	63, 210, 204
RGB Percent	25%, 82%, 80%
CMY	0.7529, 0.1765, 0.2000
CMYK	0.70, 0.00, 0.03, 0.18
HSL	178°, 62%, 54%
HSV	178°, 70%, 82%
XYZ	35.9956, 51.5096, 65.1719
YIQ	165.3630, -85.6860, -33.0300

Conversions

Conversions Part 2

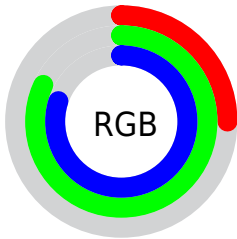
Format	Color
RYB	63, 138, 210
Decimal	4182732
CIELab	76.99, -39.06, -8.23
CIELCh	77, 39.913, 191.898
Yxy	51.5096, 0.2358, 0.3374
Android (android.graphics.Color)	4282372812 (0xFF3FD2CC)
YUV	165.3630, 19.0480, -89.7724
Hunter-Lab	71.7702, -36.0730, -3.6000

Details

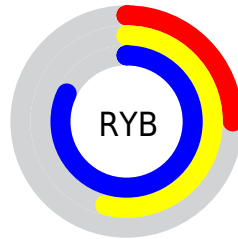
The XYZ color **35.9956, 51.5096, 65.1719** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.4318, 17.6879, 7.4949**, and the grayscale version is **35.8812, 37.7498, 41.1096**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **17.2264, 25.6447, 32.8962** is the 20% darker color. If you saturate the color by 10%, you get **34.7993, 50.9059, 64.5816**, and if you desaturate by 10%, it is **37.7068, 52.3810, 65.7915**.

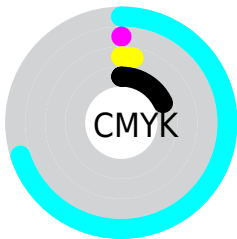
Distribution



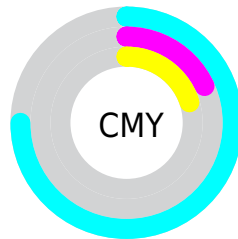
- Red (25%)
- Green (82%)
- Blue (80%)



- Red (25%)
- Yellow (54%)
- Blue (82%)



- Cyan (70%)
- Magenta (0%)
- Yellow (3%)
- Black (18%)




- Cyan (75%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9956, 51.5096, 65.1719 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 35.9956, 51.5096, 65.1719 by changing the saturation by 10% instead.


 35.9956, 51.5096,
65.1719


 35.9956, 51.5096,
65.1719

320.3729,
392.5405, 461.7326


 24.6009, 36.6143,
47.1483


 68.3492, 92.4076,
113.9126


 15.9071, 24.9090,
32.7977


 90.0388, 119.1791,
145.4667

 9.5489, 16.0093,
21.7017


 115.8907,
150.6782, 182.3681

 5.1608, 9.5307,
13.4416

 146.2703,
187.2892, 225.0353

 2.3777, 5.0889,
7.5991

181.5430,
229.3965, 273.8868

 0.8340, 2.2995,
3.7554

222.0741,

 0.0000, 0.7735,

277.3846, 329.3411

1.4921

268.2289,
331.6378, 391.8169

■ 0.0000, 0.0000,
0.2121

■ 0.0000, 0.0000,
0.0000

■ 35.9956, 51.5096,
65.1719

■ 35.9956, 51.5096,
65.1719

■ 34.7993, 50.9059,
64.5816

■ 37.7068, 52.3810,
65.7915

■ 34.0515, 50.5322,
64.0142


■ 39.9804, 53.5411,
66.4393


■ 33.6407, 50.3321,
63.4654


■ 42.8635, 55.0153,
67.1185


■ 33.6405, 50.3320,
63.4652


■ 46.3972, 56.8249,
67.8312

 50.6189, 58.9891,
68.5790

 55.5631, 61.5257,
69.3637

 61.2623, 64.4514,
70.1866

 67.7466, 67.7818,
71.0493

 75.0448, 71.5318,
71.9530

Harmonies

Analogous

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



36.3304, 51.5096, 44.0506



35.9956, 51.5096, 65.1719



38.8585, 51.5096, 88.9668

Triad

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



35.9956, 51.5096, 65.1719



59.3897, 51.5096, 93.3992



53.6450, 51.5096, 24.9485

Complementary

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



35.9956, 51.5096, 65.1719



29.4318, 17.6879, 7.4949

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.



60.6721, 51.5096, 32.5049



35.9956, 51.5096, 65.1719



64.2181, 51.5096, 70.1334

Square

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



35.9956, 51.5096, 65.1719



52.0361, 51.5096, 107.8699



64.7103, 51.5096, 47.8850



46.0044, 51.5096, 24.2709

Rectangle

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



35.9956, 51.5096, 65.1719



42.3868, 51.5096, 101.7439



64.7103, 51.5096, 47.8850



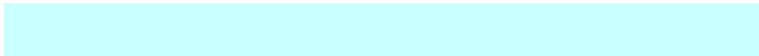
56.1762, 51.5096, 26.6556

Sweetspot

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



35.9971, 51.5116, 65.1731



77.6685, 91.0799, 106.2595



26.4966, 47.7692, 12.5278



16.2173, 19.2862, 22.6738



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.



35.9971, 51.5116, 65.1731



53.3401, 78.6568, 99.7644



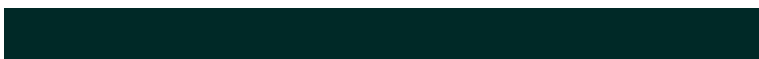
23.6352, 25.6133, 64.6730



12.1367, 13.3984, 15.0760



20.5289, 30.7045, 38.7611



1.1545, 1.7195, 2.2022

Inverse Universe

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



29.4318, 17.6879, 7.4949



42.5920, 23.0585, 5.1724



35.3476, 29.8029, 8.5935



11.8280, 11.8159, 12.3702



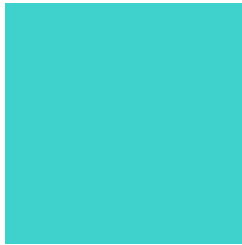
16.2500, 8.3729, 0.9570



0.9156, 0.4710, 0.0905

Previews

White Background



This preview shows how the XYZ color 35.9956, 51.5096, 65.1719 looks on a white background.

Color Contrast Check

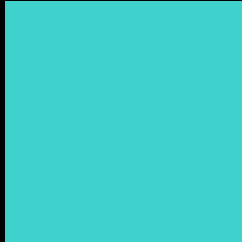
Large Text (above 18pt) WCAG AA × Fail

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 35.9956, 51.5096, 65.1719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

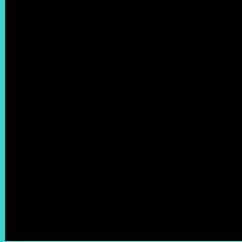
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

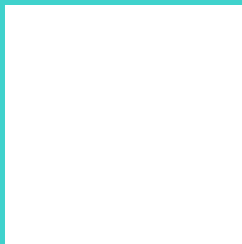
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9956, 51.5096, 65.1719

Background



This preview shows how black text looks on a background with the XYZ color 35.9956, 51.5096, 65.1719.

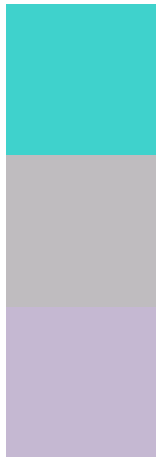


This preview shows how white text looks on a background with the XYZ color 35.9956, 51.5096,

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

35.9956, 51.5096, 65.1719

Protanopia

48.8730, 50.8044, 56.5206

Deuteranopia

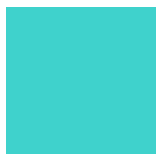
51.7993, 50.8044, 68.0489



Tritanopia

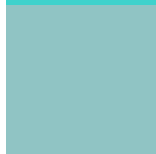
38.5914, 51.4633, 78.4204

Trichromacy



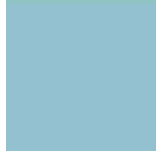
Original Color

35.9956, 51.5096, 65.1719



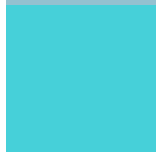
Protanomaly

41.2053, 49.3947, 59.5869



Deuteranomaly

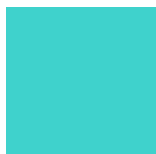
42.6679, 48.9899, 66.8817



Tritanomaly

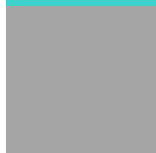
37.6060, 51.4236, 73.5893

Monochromacy



Original Color

35.9956, 51.5096, 65.1719



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.5626, 40.8916, 48.7718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9956, 51.5096, 65.1719 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(63, 210, 204)` looks like.

```
.text, #text, p{  
    color:rgb(63, 210, 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(63, 210, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 210, 204) }
```

Border

The CSS property to change the border of an element to XYZ 35.9956, 51.5096, 65.1719 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(63, 210, 204) }
```


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

```
.border{ border-color:rgb(63, 210, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 210, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 210, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 210, 204);  
box-shadow:4px 4px 4px 4px rgb(63, 210,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9956, 51.5096, 65.1719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 210, 204) }
```

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

```
.background{ background-color: rgb(63, 210,  
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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