

Converting Colors

XYZ(35.9505, 49.6084, 70.3081)

Have a look what the booklet for
XYZ(35.9505, 49.6084, 70.3081)
contains.

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Color

**XYZ(35.9559, 49.5567,
70.6211)**

Conversions

Conversions Part 1

Format	Color
Hex	40CDD5
RGB	64, 205, 213
RGB Percent	25%, 80%, 84%
CMY	0.7490, 0.1961, 0.1647
CMYK	0.70, 0.04, 0.00, 0.16
HSL	183°, 64%, 54%
HSV	183°, 70%, 84%
XYZ	35.9559, 49.5567, 70.6211
YIQ	163.7530, -86.6040, -27.4040

Conversions

Conversions Part 2

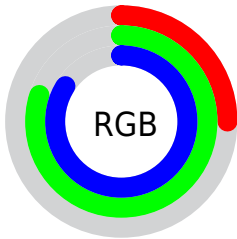
Format	Color
RYB	64, 136, 213
Decimal	4246997
CIELab	75.80, -34.06, -14.85
CIELCh	76, 37.156, 203.563
Yxy	49.5567, 0.2303, 0.3174
Android (android.graphics.Color)	4282437077 (0xFF40CDD5)
YUV	163.7530, 24.2788, -87.4834
Hunter-Lab	70.3965, -32.0228, -10.2016

Details

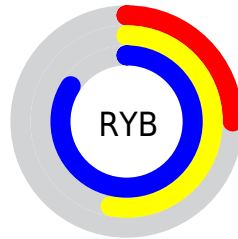
The XYZ color **35.9559, 49.5567, 70.6211** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **30.6845, 19.1524, 6.9314**, and the grayscale version is **35.0889, 36.9163, 40.2018**.

A 20% lighter version of the original color is **63.3257, 83.6455, 107.4153**, and **17.0779, 24.2813, 36.1344** is the 20% darker color. If you saturate the color by 10%, you get **34.5540, 48.4305, 70.4785**, and if you desaturate by 10%, it is **37.8915, 50.9632, 70.7915**.

Distribution



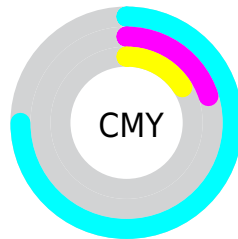
- Red (25%)
- Green (80%)
- Blue (84%)



- Red (25%)
- Yellow (53%)
- Blue (84%)



- Cyan (70%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)





- Cyan (75%)
- Magenta (20%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.9559, 49.5567, 70.6211 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 35.9559, 49.5567, 70.6211 by changing the saturation by 10% instead.


 35.9559, 49.5567,
70.6211


 35.9559, 49.5567,
70.6211


320.2024,
384.9298, 481.5757


 24.5701, 35.0613,
51.5531


 68.2883, 89.5177,
121.7835


 15.8841, 23.7101,
36.2692

 89.9656, 115.7521,
154.7149

 9.5325, 15.1187,
24.3508


 115.8041,
146.6683, 193.1046

 5.1500, 8.9027,
15.3795

 146.1692,
182.6507, 237.3711

 2.3712, 4.6778,
8.9366

181.4262,
224.0836, 287.9329

 0.8307, 2.0595,
4.6036

221.9405,

 0.0000, 0.6417,

271.3515, 345.2086

1.9620

268.0774,
324.8388, 409.6167

■ 0.0000, 0.0000,
0.5317

■ 0.0000, 0.0000,
0.0000

■ 35.9559, 49.5567,
70.6211

■ 35.9559, 49.5567,
70.6211

■ 34.5540, 48.4305,
70.4785

■ 37.8915, 50.9632,
70.7915

■ 33.6174, 47.5460,
70.3572


■ 40.4101, 52.6721,
70.9886


■ 33.0322, 46.8456,
70.2528


■ 43.5606, 54.7097,
71.2158


■ 33.0294, 46.8422,
70.2523


■ 47.3855, 57.0980,
71.4752

 51.9233, 59.8569,
71.7686

 57.2101, 63.0048,
72.0975

 63.2791, 66.5590,
72.4637

 70.1618, 70.5356,
72.8685

 77.6258, 74.8150,
73.3011

Harmonies

Analogous

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



35.1084, 49.5567, 49.8094



35.9559, 49.5567, 70.6211



39.6522, 49.5567, 90.6707

Triad

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



35.9559, 49.5567, 70.6211



58.6045, 49.5567, 79.8240



48.6056, 49.5567, 24.3200

Complementary

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



35.9559, 49.5567, 70.6211



30.6845, 19.1524, 6.9314

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.



55.4312, 49.5567, 28.7960



35.9559, 49.5567, 70.6211



61.5568, 49.5567, 58.3326

Square

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



35.9559, 49.5567, 70.6211



52.6084, 49.5567, 96.8270



60.3423, 49.5567, 40.1480



41.9942, 49.5567, 26.0828

Rectangle

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



35.9559, 49.5567, 70.6211



43.4462, 49.5567, 99.2322



60.3423, 49.5567, 40.1480



50.9576, 49.5567, 25.1003

Sweetspot

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



35.9574, 49.5586, 70.6223



77.1083, 89.3995, 107.7995



27.0617, 49.1403, 14.0975



16.0818, 18.8796, 23.0465



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.



35.9574, 49.5586, 70.6223



51.1572, 72.0888, 105.8260



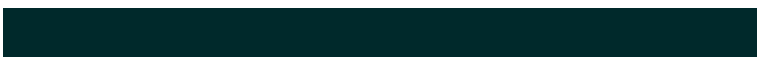
22.2492, 22.1421, 66.0529



12.7324, 13.9883, 15.9665



20.2001, 28.6620, 42.9208



1.2362, 1.7645, 2.5947

Inverse Universe

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



40.2947, 22.2221, 59.9250



58.2795, 29.3335, 87.7815



38.6386, 35.0605, 9.5828



12.9229, 12.6207, 15.5342



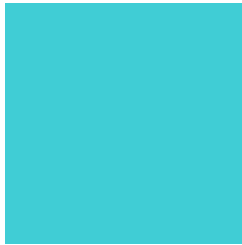
23.2549, 11.2383, 34.9762



1.4116, 0.6814, 2.1570

Previews

White Background



This preview shows how the XYZ color 35.9559, 49.5567, 70.6211 looks on a white background.

Color Contrast Check

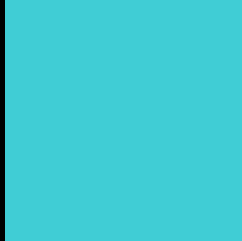
Large Text (above 18pt) WCAG AA × Fail

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 35.9559, 49.5567, 70.6211 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

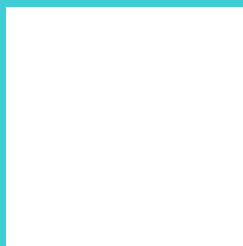
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9559, 49.5567, 70.6211

Background



This preview shows how black text looks on a background with the XYZ color 35.9559, 49.5567, 70.6211.

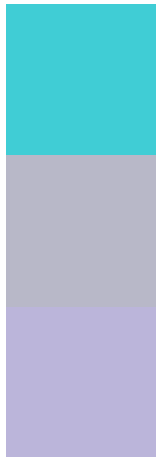


This preview shows how white text looks on a background with the XYZ color 35.9559, 49.5567,

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

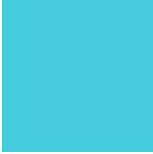
35.9559, 49.5567, 70.6211

Protanopia

47.3330, 48.6415, 61.5376

Deuteranopia

49.6723, 48.6745, 73.1068



Tritanopia

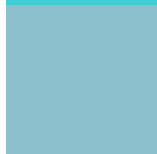
36.8950, 49.5820, 75.3359

Trichromacy



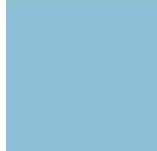
Original Color

35.9559, 49.5567, 70.6211



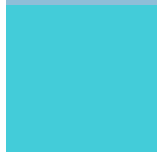
Protanomaly

40.6843, 47.6825, 64.8170



Deuteranomaly

41.9635, 47.5356, 71.9293



Tritanomaly

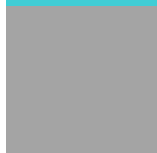
36.4320, 49.3888, 73.2585

Monochromacy



Original Color

35.9559, 49.5567, 70.6211



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.4657, 40.2068, 50.2528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9559, 49.5567, 70.6211 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(64, 205, 213)` looks like.

```
.text, #text, p{  
    color:rgb(64, 205, 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(64, 205, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 205, 213) }
```

Border

The CSS property to change the border of an element to XYZ 35.9559, 49.5567, 70.6211 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(64, 205, 213) }
```


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

```
.border{ border-color:rgb(64, 205, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 205, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 205, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 205, 213);  
box-shadow:4px 4px 4px 4px rgb(64, 205,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9559, 49.5567, 70.6211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 205, 213) }
```

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

```
.background{ background-color: rgb(64, 205,  
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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