

Converting Colors

XYZ(35.8105, 49.6053, 67.8509)

Have a look what the booklet for
XYZ(35.8105, 49.6053, 67.8509)
contains.

XYZ(35.7942, 49.5313, 67.9955)	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(35.7942, 49.5313,
67.9955)**

Conversions

Conversions Part 1

Format	Color
Hex	45CDD1
RGB	69, 205, 209
RGB Percent	27%, 80%, 82%
CMY	0.7294, 0.1961, 0.1804
CMYK	0.67, 0.02, 0.00, 0.18
HSL	182°, 60%, 55%
HSV	182°, 67%, 82%
XYZ	35.7942, 49.5313, 67.9955
YIQ	164.7920, -82.3400, -27.5880

Conversions

Conversions Part 2

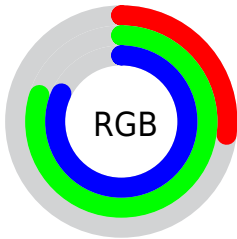
Format	Color
R _Y B	69, 138, 209
Decimal	4574673
CIE Lab	75.78, -34.53, -12.71
CIE LCh	76, 36.797, 200.203
Yxy	49.5313, 0.2335, 0.3231
Android (android.graphics.Color)	4282764753 (0xFF45CDD1)
YUV	164.7920, 21.7945, -84.0096
Hunter-Lab	70.3785, -32.3780, -8.0175

Details

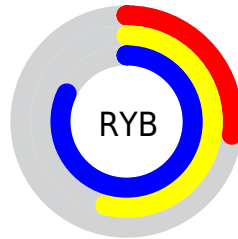
The XYZ color **35.7942, 49.5313, 67.9955** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.7523, 18.7513, 7.6829**, and the grayscale version is **35.5935, 37.4472, 40.7800**.

A 20% lighter version of the original color is **63.8017, 83.8909, 107.4376**, and **16.8227, 24.1793, 34.7908** is the 20% darker color. If you saturate the color by 10%, you get **34.4224, 48.6136, 67.8916**, and if you desaturate by 10%, it is **37.6915, 50.7229, 68.1264**.

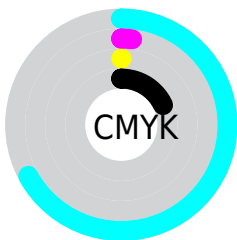
Distribution



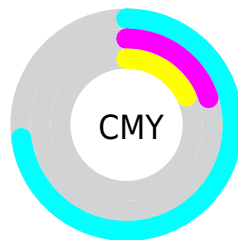
- Red (27%)
- Green (80%)
- Blue (82%)



- Red (27%)
- Yellow (54%)
- Blue (82%)



- Cyan (67%)
- Magenta (2%)
- Yellow (0%)
- Black (18%)



- Cyan (73%)
- Magenta (20%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7942, 49.5313, 67.9955 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 35.7942, 49.5313, 67.9955 by changing the saturation by 10% instead.

35.7942, 49.5313,
67.9955

35.7942, 49.5313,
67.9955

319.5071,
384.8302, 472.0777

24.4447, 35.0411,
49.4274

68.0403, 89.4800,
117.9999

15.7903, 23.6946,
34.5907

89.6675, 115.7074,
150.2732

9.4658, 15.1072,
23.0667

115.4513,
146.6159, 187.9521

5.1058, 8.8947,
14.4370

145.7571,
182.5901, 231.4549

2.3448, 4.6725,
8.2830

180.9502,
224.0141, 281.2004

0.8175, 2.0564,
4.1862

221.3960,

0.0000, 0.6400,

271.2726, 337.6070

1.7280

267.4599,
324.7498, 401.0932

■ 0.0000, 0.0000,
0.3798

■ 0.0000, 0.0000,
0.0000

■ 35.7942, 49.5313,
67.9955

■ 35.7942, 49.5313,
67.9955

■ 34.4224, 48.6136,
67.8916

■ 37.6915, 50.7229,
68.1264

■ 33.5139, 47.9345,
67.8084

■ 40.1591, 52.2081,
68.2830

■ 32.9939, 47.4565,
67.7435

■ 43.2420, 54.0114,
68.4686

■ 32.8723, 47.3306,
67.7256

■ 46.9796, 56.1531,
68.6850

■ 51.4081, 58.6517,
68.9339

■ 56.5608, 61.5244,
69.2168

■ 62.4691, 64.7875,
69.5352

■ 69.1625, 68.4561,
69.8906

■ 75.8882, 72.1423,
70.2476

Harmonies

Analogous

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



35.2830, 49.5313, 47.7792



35.7942, 49.5313, 67.9955



39.1601, 49.5313, 88.3098

Triad

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



35.7942, 49.5313, 67.9955



57.9098, 49.5313, 81.7749



49.3490, 49.5313, 24.7032

Complementary

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



35.7942, 49.5313, 67.9955



29.7523, 18.7513, 7.6829

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.



55.9972, 49.5313, 29.8816



35.7942, 49.5313, 67.9955



61.2462, 49.5313, 60.5898

Square

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



35.7942, 49.5313, 67.9955



51.7621, 49.5313, 97.5056



60.5142, 49.5313, 41.9537



42.6854, 49.5313, 25.7676

Rectangle

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



35.7942, 49.5313, 67.9955



42.7673, 49.5313, 97.6409



60.5142, 49.5313, 41.9537



51.6690, 49.5313, 25.7119

Sweetspot

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



35.7957, 49.5332, 67.9967



78.2489, 90.6515, 107.9811



26.4040, 47.3264, 13.7622



16.3237, 19.1636, 23.0885



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.



35.7957, 49.5332, 67.9967



53.3446, 75.7826, 106.4237



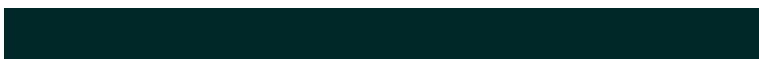
22.8627, 23.6672, 63.6857



12.1282, 13.3467, 15.1806



20.2808, 29.2083, 41.7613



1.1433, 1.6518, 2.3381

Inverse Universe

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



39.4433, 22.2207, 59.9697



59.5498, 30.4781, 92.5089



36.9441, 33.1349, 10.0801



12.2956, 12.0030, 14.8325



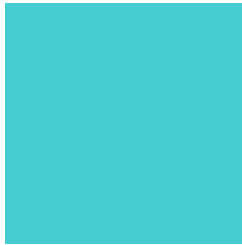
22.8676, 11.0199, 35.8043



1.2833, 0.6180, 2.0267

Previews

White Background



This preview shows how the XYZ color 35.7942, 49.5313, 67.9955 looks on a white background.

Color Contrast Check

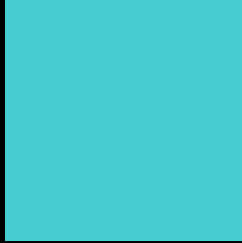
Large Text (above 18pt) WCAG AA × Fail

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 35.7942, 49.5313, 67.9955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

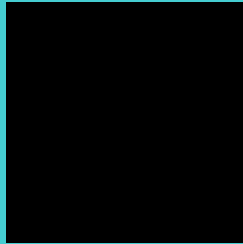
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

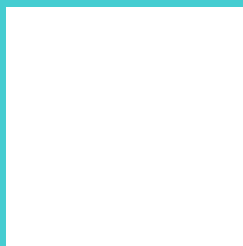
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7942, 49.5313, 67.9955

Background



This preview shows how black text looks on a background with the XYZ color 35.7942, 49.5313, 67.9955.



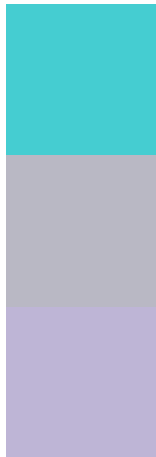
This preview shows how white text looks on a background with the XYZ color 35.7942, 49.5313,

67.9955.

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

35.7942, 49.5313, 67.9955

Protanopia

47.1119, 48.5808, 59.1185

Deuteranopia

49.8967, 48.8499, 70.4175



Tritanopia

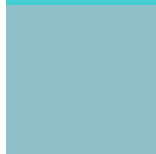
37.1759, 49.3750, 75.2811

Trichromacy



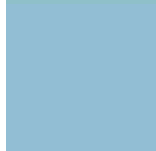
Original Color

35.7942, 49.5313, 67.9955



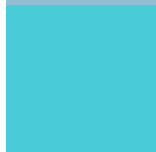
Protanomaly

40.7199, 47.7560, 62.3300



Deuteranomaly

42.1512, 47.6914, 69.2711



Tritanomaly

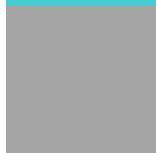
36.7352, 49.5601, 72.5956

Monochromacy



Original Color

35.7942, 49.5313, 67.9955



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.8677, 40.7245, 49.7917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7942, 49.5313, 67.9955 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(69, 205, 209)` looks like.

```
.text, #text, p{  
    color:rgb(69, 205, 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(69, 205, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 205, 209) }
```

Border

The CSS property to change the border of an element to XYZ 35.7942, 49.5313, 67.9955 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(69, 205, 209) }
```


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

```
.border{ border-color:rgb(69, 205, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 205, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 205, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 205, 209);  
box-shadow:4px 4px 4px 4px rgb(69, 205,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7942, 49.5313, 67.9955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 205, 209) }
```

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

```
.background{ background-color: rgb(69, 205,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor