

Converting Colors

XYZ(34.2822, 49.6958, 57.7615)

Have a look what the booklet for
XYZ(34.2822, 49.6958, 57.7615)
contains.

XYZ(34.2815, 49.6966, 57.6548)	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(34.2815, 49.6966,
57.6548)**

Conversions

Conversions Part 1

Format	Color
Hex	45CFC0
RGB	69, 207, 192
RGB Percent	27%, 81%, 75%
CMY	0.7294, 0.1882, 0.2471
CMYK	0.67, 0.00, 0.07, 0.19
HSL	173°, 59%, 54%
HSV	173°, 67%, 81%
XYZ	34.2815, 49.6966, 57.6548
YIQ	164.0280, -77.4330, -33.9210

Conversions

Conversions Part 2

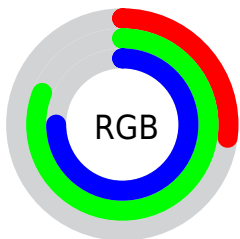
Format	Color
RYB	69, 142, 207
Decimal	4575168
CIELab	75.88, -40.13, -3.39
CIELCh	76, 40.276, 184.822
Yxy	49.6966, 0.2420, 0.3509
Android (android.graphics.Color)	4282765248 (0xFF45CFC0)
YUV	164.0280, 13.7902, -83.3396
Hunter-Lab	70.4958, -36.5647, 0.8569

Details

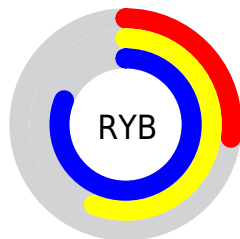
The XYZ color **34.2815, 49.6966, 57.6548** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.4621, 18.1632, 10.3423**, and the grayscale version is **35.2643, 37.1008, 40.4028**.

A 20% lighter version of the original color is **62.5348, 83.3656, 101.6022**, and **15.8884, 24.3206, 28.2830** is the 20% darker color. If you saturate the color by 10%, you get **32.8141, 48.9699, 56.2954**, and if you desaturate by 10%, it is **36.2676, 50.6926, 59.0606**.

Distribution



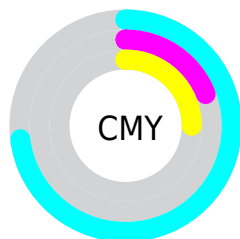
- Red (27%)
- Green (81%)
- Blue (75%)



- Red (27%)
- Yellow (56%)
- Blue (81%)



- Cyan (67%)
- Magenta (0%)
- Yellow (7%)
- Black (19%)



- Cyan (73%)
- Magenta (19%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2815, 49.6966, 57.6548 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 34.2815, 49.6966, 57.6548 by changing the saturation by 10% instead.

■ 34.2815, 49.6966,
57.6548

■ 34.2815, 49.6966,
57.6548

312.9493,
385.4783, 433.4607

■ 23.2739, 35.1724,
41.1183

■ 65.7126, 89.7252,
102.9298

■ 14.9177, 23.7957,
28.0912

■ 86.8667, 115.9983,
132.5054

■ 8.8476, 15.1821,
18.1547

■ 112.1337,
146.9566, 167.2645

■ 4.6982, 8.9473,
10.8906

■ 141.8790,
182.9844, 207.6256

■ 2.1042, 4.7068,
5.8800

176.4678,
224.4660, 254.0072

■ 0.6915, 2.0763,
2.7047

216.2655,

■ 0.0000, 0.6512,

271.7860, 306.8279

0.9458

261.6376,
325.3286, 366.5062

■ 0.0000, 0.0000,
0.0000

■ 34.2815, 49.6966,
57.6548

■ 34.2815, 49.6966,
57.6548

■ 32.8141, 48.9699,
56.2954

■ 36.2676, 50.6926,
59.0606

■ 31.8052, 48.4779,
54.9762

■ 38.8159, 51.9768,
60.5115

■ 31.1835, 48.1851,
53.6949

■ 41.9705, 53.5732,
62.0109

■ 31.0178, 48.1089,
53.2737

■ 45.7696, 55.5013,
63.5607

■ 50.2484, 57.7794,
65.1625

■ 55.4396, 60.4243,
66.8179

■ 61.3736, 63.4517,
68.5286

■ 68.0792, 66.8763,
70.2958

■ 75.4694, 70.6535,
72.1157

Harmonies

Analogous

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



35.3571, 49.6966, 38.3836



34.2815, 49.6966, 57.6548



36.3651, 49.6966, 81.2646

Triad

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



34.2815, 49.6966, 57.6548



55.9510, 49.6966, 95.5550



53.6350, 49.6966, 24.6959

Complementary

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



34.2815, 49.6966, 57.6548



29.4621, 18.1632, 10.3423

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.



60.0804, 49.6966, 33.8002



34.2815, 49.6966, 57.6548



61.5136, 49.6966, 73.6369

Square

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



34.2815, 49.6966, 57.6548



48.4568, 49.6966, 106.5341



63.0990, 49.6966, 50.7158



46.0342, 49.6966, 22.5249

Rectangle

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



34.2815, 49.6966, 57.6548



39.4098, 49.6966, 95.3398



63.0990, 49.6966, 50.7158



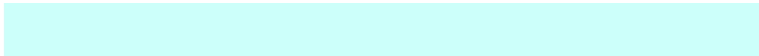
56.0333, 49.6966, 26.9022

Sweetspot

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



34.2829, 49.6985, 57.6560



77.8319, 91.2254, 103.5018



27.1440, 46.9932, 13.2713



16.2223, 19.3037, 21.9973



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.



34.2829, 49.6985, 57.6560



51.8080, 78.0969, 89.3020



25.2905, 28.9164, 63.2820



12.1007, 13.3840, 14.8866



19.5634, 30.3183, 33.6768



1.1101, 1.7017, 1.9684

Inverse Universe

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



29.4621, 18.1632, 10.3423



43.6323, 24.1110, 8.6883



33.7554, 27.5915, 9.1780



11.8602, 11.8288, 12.5398



16.3240, 8.4024, 1.3465



0.9308, 0.4770, 0.1704

Previews

White Background



This preview shows how the XYZ color 34.2815, 49.6966, 57.6548 looks on a white background.

Color Contrast Check

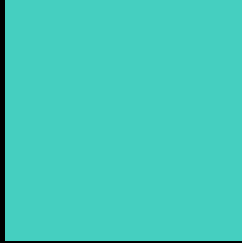
Large Text (above 18pt) WCAG AA × Fail

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 34.2815, 49.6966, 57.6548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

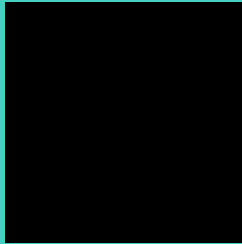
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

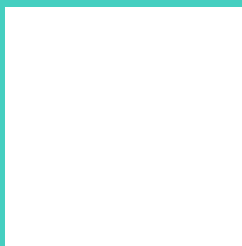
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.2815, 49.6966, 57.6548

Background



This preview shows how black text looks on a background with the XYZ color 34.2815, 49.6966, 57.6548.

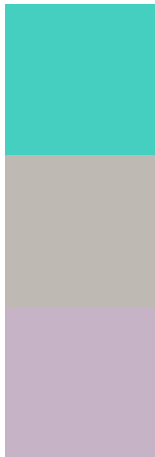


This preview shows how white text looks on a background with the XYZ color 34.2815, 49.6966,

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

34.2815, 49.6966, 57.6548

Protanopia

46.7208, 48.8997, 49.6240

Deuteranopia

49.8030, 48.7255, 60.2061



Tritanopia

37.6218, 49.6202, 74.6126

Trichromacy



Original Color

34.2815, 49.6966, 57.6548



Protanomaly

39.5758, 47.7116, 52.4708



Deuteranomaly

41.1398, 47.3917, 59.2038



Tritanomaly

36.1621, 49.3670, 67.9444

Monochromacy



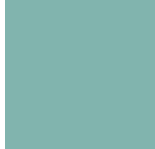
Original Color

34.2815, 49.6966, 57.6548



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.0145, 40.3656, 46.0957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2815, 49.6966, 57.6548 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, 207, 192)` looks like.

```
.text, #text, p{  
    color:rgb(69, 207, 192)  
}
```

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, 207, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 207, 192) }
```

Border

The CSS property to change the border of an element to XYZ 34.2815, 49.6966, 57.6548 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, 207, 192) }
```


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

```
.border{ border-color:rgb(69, 207, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 207, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 207, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 207, 192);  
box-shadow:4px 4px 4px 4px rgb(69, 207,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2815, 49.6966, 57.6548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 207, 192) }
```

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

```
.background{ background-color: rgb(69, 207,  
192) }
```

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