

Converting Colors

XYZ(34.9548, 49.3251, 65.5936)

Have a look what the booklet for
XYZ(34.9548, 49.3251, 65.5936)
contains.

XYZ(34.8374, 49.0946, 65.3977)	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(34.8374, 49.0946,
65.3977)**

Conversions

Conversions Part 1

Format	Color
Hex	3ECDCD
RGB	62, 205, 205
RGB Percent	24%, 80%, 80%
CMY	0.7568, 0.1961, 0.1961
CMYK	0.70, 0.00, 0.00, 0.20
HSL	180°, 59%, 52%
HSV	180°, 70%, 80%
XYZ	34.8374, 49.0946, 65.3977
YIQ	162.2430, -85.2280, -30.3160

Conversions

Conversions Part 2

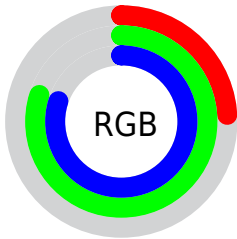
Format	Color
RYB	62, 134, 205
Decimal	4115917
CIELab	75.51, -36.61, -10.97
CIELCh	76, 38.222, 196.677
Yxy	49.0946, 0.2333, 0.3288
Android (android.graphics.Color)	4282305997 (0xFF3ECD CD)
YUV	162.2430, 21.0792, -87.9131
Hunter-Lab	70.0675, -33.8685, -6.2912

Details

The XYZ color **34.8374, 49.0946, 65.3977** 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 **27.7706, 16.7737, 6.3330**, and the grayscale version is **34.3913, 36.1823, 39.4025**.

A 20% lighter version of the original color is **63.0159, 83.4858, 107.4008**, and **16.4923, 24.0471, 33.0505** is the 20% darker color. If you saturate the color by 10%, you get **33.7865, 48.5540, 65.3495**, and if you desaturate by 10%, it is **36.3759, 49.8888, 65.4710**.

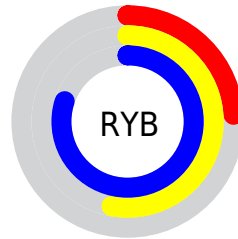
Distribution



Red (24%)

Green (80%)

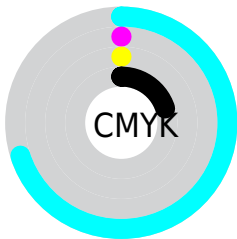
Blue (80%)



Red (24%)

Yellow (53%)

Blue (80%)

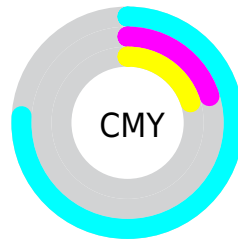


Cyan (70%)

Magenta (0%)

Yellow (0%)

Black (20%)



Cyan (76%)


Magenta (20%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8374, 49.0946, 65.3977 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 34.8374, 49.0946, 65.3977 by changing the saturation by 10% instead.

 34.8374, 49.0946,
65.3977


 34.8374, 49.0946,
65.3977


315.3706,
383.1146, 462.5650


 23.7036, 34.6945,
47.3302

 66.5695, 88.8319,
114.2402

 15.2374, 23.4277,
32.9406


 87.8984, 114.9380,
145.8523

 9.0736, 14.9096,
21.8102


 113.3565,
145.7148, 182.8163

 4.8467, 8.7560,
13.5205

 143.3090,
181.5469, 225.5509

 2.1914, 4.5824,
7.6530

178.1213,
222.8185, 274.4745

 0.7382, 2.0044,
3.7892

218.1588,

 0.0000, 0.6100,

269.9140, 330.0057

1.5104

263.7868,
323.2179, 392.5630

■ 0.0000, 0.0000,
0.2257

■ 0.0000, 0.0000,
0.0000

■ 34.8374, 49.0946,
65.3977

■ 34.8374, 49.0946,
65.3977

■ 33.7865, 48.5540,
65.3495

■ 36.3759, 49.8888,
65.4710

■ 33.1611, 48.2315,
65.3200

■ 38.4464, 50.9562,
65.5680

■ 32.8580, 48.0753,
65.3057

■ 41.0933, 52.3207,
65.6921

■ 32.8516, 48.0720,
65.3054

■ 44.3552, 54.0023,
65.8449

■ 48.2673, 56.0190,
66.0281

■ 52.8621, 58.3878,
66.2433

■ 58.1701, 61.1241,
66.4919

■ 64.2196, 64.2428,
66.7752

■ 71.0379, 67.7577,
67.0944

Harmonies

Analogous

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



34.6685, 49.0946, 44.9939



34.8374, 49.0946, 65.3977



37.9609, 49.0946, 86.9921

Triad

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



34.8374, 49.0946, 65.3977



57.2435, 49.0946, 84.7861



49.8591, 49.0946, 23.8633

Complementary

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



34.8374, 49.0946, 65.3977



27.7706, 16.7737, 6.3330

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.



56.6025, 49.0946, 29.8812



34.8374, 49.0946, 65.3977



61.1467, 49.0946, 62.9170

Square

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



34.8374, 49.0946, 65.3977



50.6651, 49.0946, 99.9750



60.9009, 49.0946, 43.0638



42.8773, 49.0946, 24.2088

Rectangle

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



34.8374, 49.0946, 65.3977



41.4958, 49.0946, 97.6551



60.9009, 49.0946, 43.0638



52.2421, 49.0946, 25.1285

Sweetspot

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



34.8389, 49.0964, 65.3989



78.0184, 91.2199, 108.1024



24.8418, 45.1153, 11.9576



16.3020, 19.3201, 23.1198



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.



34.8389, 49.0964, 65.3989



54.7161, 79.2071, 107.0102



21.7956, 23.0095, 61.0522



11.5433, 12.7271, 14.4185



20.4506, 29.9256, 40.6536



1.0550, 1.5438, 2.0973

Inverse Universe

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



27.7706, 16.7737, 6.3330



42.4228, 22.9908, 4.2815



34.1803, 29.5931, 8.4693



11.2124, 11.2137, 11.6530



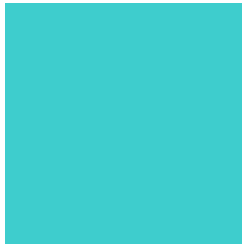
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 34.8374, 49.0946, 65.3977 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 34.8374, 49.0946, 65.3977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

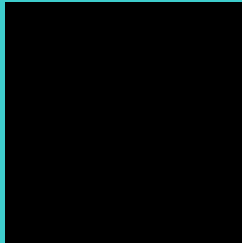
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

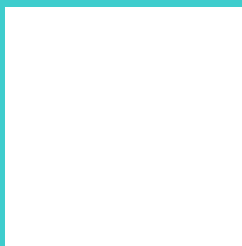
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.8374, 49.0946, 65.3977

Background



This preview shows how black text looks on a background with the XYZ color 34.8374, 49.0946, 65.3977.

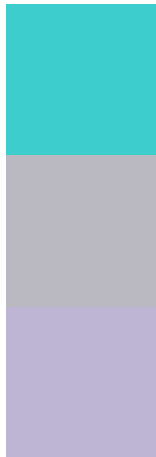


This preview shows how white text looks on a background with the XYZ color 34.8374, 49.0946,

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

34.8374, 49.0946, 65.3977

Protanopia

46.9046, 48.5259, 56.7635

Deuteranopia

49.3143, 48.2928, 68.3503



Tritanopia

36.6679, 49.1284, 74.5680

Trichromacy



Original Color

34.8374, 49.0946, 65.3977



Protanomaly

39.9122, 47.3932, 59.8675



Deuteranomaly

41.0339, 46.8383, 67.1996



Tritanomaly

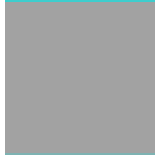
36.0452, 49.2341, 71.2217

Monochromacy



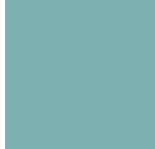
Original Color

34.8374, 49.0946, 65.3977



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.5605, 39.4908, 48.0258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8374, 49.0946, 65.3977 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(62, 205, 205)` looks like.

```
.text, #text, p{  
    color:rgb(62, 205, 205)  
}
```

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(62, 205, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 205, 205) }
```

Border

The CSS property to change the border of an element to XYZ 34.8374, 49.0946, 65.3977 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(62, 205, 205) }
```


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

```
.border{ border-color:rgb(62, 205, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 205, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 205, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 205, 205);  
box-shadow:4px 4px 4px 4px rgb(62, 205,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8374, 49.0946, 65.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 205, 205) }
```

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

```
.background{ background-color: rgb(62, 205,  
205) }
```

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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