

# Converting Colors

XYZ(41.2326, 58.0096, 85.4050)

Have a look what the booklet for  
XYZ(41.2326, 58.0096, 85.4050)  
contains.

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# Color

**XYZ(41.1849, 57.9324,  
85.3553)**

# Conversions

## Conversions Part 1

Format	Color
Hex	25DDE8
RGB	37, 221, 232
RGB Percent	15%, 87%, 91%
CMY	0.8548, 0.1333, 0.0902
CMYK	0.84, 0.05, 0.00, 0.09
HSL	183°, 81%, 53%
HSV	183°, 84%, 91%
XYZ	41.1849, 57.9324, 85.3553
YIQ	167.2380, -113.1950, -35.5870

# Conversions

## Conversions Part 2

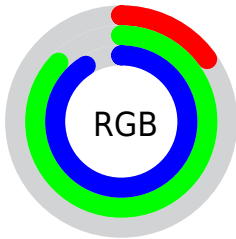
Format	Color
<a href="#">RYB</a>	<a href="#">37, 132, 232</a>
Decimal	<a href="#">2481640</a>
CIELab	<a href="#">80.70, -38.46, -17.68</a>
CIELCh	<a href="#">81, 42.329, 204.696</a>
Yxy	<a href="#">57.9324, 0.2233, 0.3140</a>
Android (android.graphics.Color)	<a href="#">4280671720 (0xFF25DDE8)</a>
YUV	<a href="#">167.2380, 31.9277, -114.2187</a>
Hunter-Lab	<a href="#">76.1133, -36.6121, -13.2099</a>

# Details

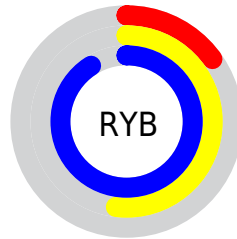
The XYZ color **41.1849, 57.9324, 85.3553** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **34.6712, 19.4053, 3.6703**, and the grayscale version is **36.7392, 38.6525, 42.0926**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **21.2916, 30.0449, 45.7513** is the 20% darker color. If you saturate the color by 10%, you get **40.2571, 56.9444, 85.2146**, and if you desaturate by 10%, it is **42.6468, 59.2022, 85.5244**.

# Distribution



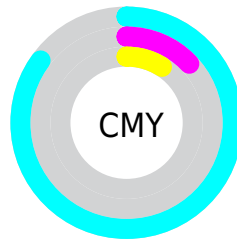
- Red (15%)
- Green (87%)
- Blue (91%)



- Red (15%)
- Yellow (52%)
- Blue (91%)



- Cyan (84%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (85%)
- Magenta (13%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.1849, 57.9324, 85.3553 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 41.1849, 57.9324, 85.3553 by changing the saturation by 10% instead.



41.1849, 57.9324,  
85.3553

41.1849, 57.9324,  
85.3553

342.1422,  
416.9340, 532.9782

28.6519, 41.7543,  
63.5832

76.2374, 101.8244,  
142.7480

18.9606, 28.9090,  
45.8691

99.4877, 130.3071,  
179.2057

11.7457, 19.0120,  
31.7946

127.0410,  
163.6601, 221.3957

6.6417, 11.6789,  
20.9412

159.2629,  
202.2679, 269.7364

3.2834, 6.5254,  
12.8902

196.5186,  
246.5148, 324.6465

1.3053, 3.1671,  
7.2231

239.1735,

0.1872, 1.2196,

296.7851, 386.5445

3.5215

287.5929,  
353.4634, 455.8489

■ 0.0000, 0.0776,  
1.3667

■ 0.0000, 0.0000,  
0.1155

■ 41.1849, 57.9324,  
85.3553

■ 41.1849, 57.9324,  
85.3553

■ 40.2571, 56.9444,  
85.2146

■ 42.6468, 59.2022,  
85.5244

■ 39.8750, 56.4448,  
85.1383

■ 44.7241, 60.7920,  
85.7218

■ 47.4899, 62.7408,  
85.9522

■ 51.0055, 65.0802,  
86.2184

■ 55.3257, 67.8384,  
86.5231

■ 60.4999, 71.0409,  
86.8686

■ 66.5737, 74.7112,  
87.2569

■ 73.5895, 78.8711,  
87.6901

■ 81.5868, 83.5411,  
88.1700

# Harmonies

## Analogous

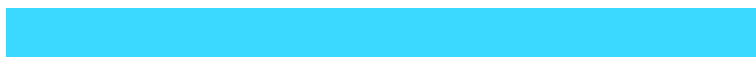
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.9916, 57.9324, 58.7405



41.1849, 57.9324, 85.3553



45.9261, 57.9324, 110.9709

# Triad

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



41.1849, 57.9324, 85.3553



69.9192, 57.9324, 95.1168



56.6284, 57.9324, 26.3150

# Complementary

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



41.1849, 57.9324, 85.3553



34.6712, 19.4053, 3.6703

# 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.



65.3379, 57.9324, 31.4332



41.1849, 57.9324, 85.3553



73.5125, 57.9324, 67.6250

# Square

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



41.1849, 57.9324, 85.3553



62.3733, 57.9324, 117.5701



71.7535, 57.9324, 45.0600



48.3475, 57.9324, 28.7233

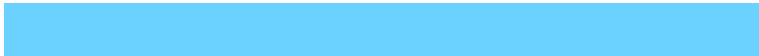


# Rectangle

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



41.1849, 57.9324, 85.3553



50.7528, 57.9324, 121.6919



71.7535, 57.9324, 45.0600



59.6105, 57.9324, 27.1602

# Sweetspot

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



41.1867, 57.9345, 85.3567



74.2223, 87.5759, 107.5996



30.1292, 58.3111, 12.3324



15.3843, 18.4357, 22.9976



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.



41.1867, 57.9345, 85.3567



49.3918, 69.9035, 105.4973



22.6331, 20.8272, 79.1722



14.7342, 16.1897, 18.4927



22.1686, 31.3992, 47.2754



1.6595, 2.3630, 3.5006



# Inverse Universe

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



46.9930, 23.7012, 70.5067



57.0599, 27.5879, 85.2363



43.6262, 37.3154, 6.6553



14.9582, 14.6005, 17.9800



25.5832, 12.3675, 38.2955

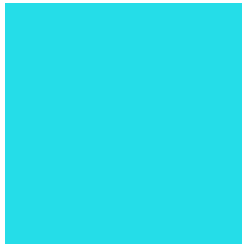


1.9013, 0.9182, 2.8867



# Previews

## White Background



This preview shows how the XYZ color 41.1849, 57.9324, 85.3553 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

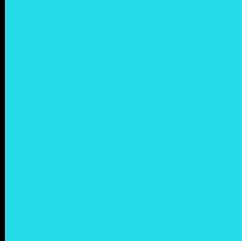
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.1849, 57.9324, 85.3553 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

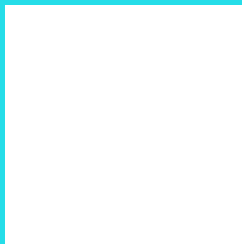
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.1849, 57.9324, 85.3553**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.1849, 57.9324, 85.3553.



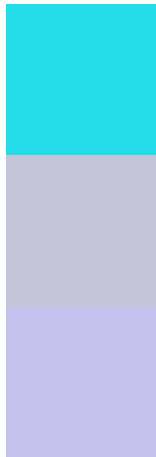
This preview shows how white text looks on a background with the XYZ color 41.1849, 57.9324,



# 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

41.1849, 57.9324, 85.3553

### Protanopia

55.5166, 56.8126, 73.6855

### Deuteranopia

58.0131, 56.7624, 88.7875



## Tritanopia

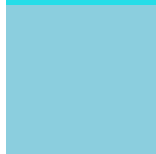
42.0645, 57.8949, 89.8467

# Trichromacy



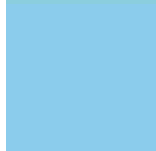
## Original Color

41.1849, 57.9324, 85.3553



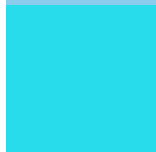
## Protanomaly

45.9036, 54.9055, 77.2857



## Deuteranomaly

47.3806, 54.7308, 87.4238



## Tritanomaly

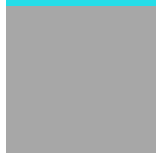
41.6480, 57.7139, 88.3017

# Monochromacy



## Original Color

41.1849, 57.9324, 85.3553



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

34.9200, 43.2953, 55.8066

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.1849, 57.9324, 85.3553 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(37, 221, 232)` looks like.

```
.text, #text, p{  
    color:rgb(37, 221, 232)  
}
```

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(37, 221, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 221, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 41.1849, 57.9324, 85.3553 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(37, 221, 232) }
```



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

```
.border{ border-color:rgb(37, 221, 232) }
```

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

Here you see how a box with a 4 pixel rgb(37, 221, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 221, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 221, 232);  
box-shadow:4px 4px 4px 4px rgb(37, 221,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.1849, 57.9324, 85.3553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 221, 232) }
```

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

```
.background{ background-color: rgb(37, 221,  
232) }
```

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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