

Converting Colors

RGB(64, 216, 209)

Have a look what the booklet for
RGB(64, 216, 209) contains.

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Color

RGB(64, 216, 209)

Conversions

Conversions Part 1

Format	Color
Hex	40D8D1
RGB	64, 216, 209
RGB Percent	25%, 85%, 82%
CMY	0.7490, 0.1529, 0.1804
CMYK	0.70, 0.00, 0.03, 0.15
HSL	177°, 66%, 55%
HSV	177°, 70%, 85%
XYZ	38.1788, 54.8052, 68.8878
YIQ	169.7540, -88.3450, -34.4010

Conversions

Conversions Part 2

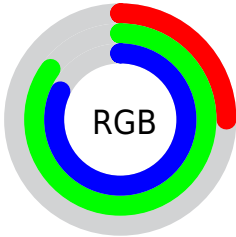
Format	Color
RYB	64, 142, 216
Decimal	4249809
CIELab	78.93, -40.26, -8.02
CIELCh	79, 41.049, 191.273
Yxy	54.8052, 0.2359, 0.3386
Android (android.graphics.Color)	4282439889 (0xFF40D8D1)
YUV	169.7540, 19.3483, -92.7463
Hunter-Lab	74.0305, -37.4978, -3.3499

Details

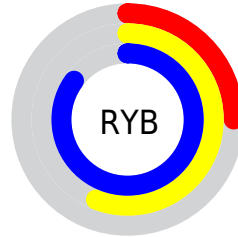
The RGB color **64, 216, 209** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **216, 64, 71**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **133, 255, 255**, and **0, 160, 155** is the 20% darker color. If you saturate the color by 10%, you get **42, 216, 208**, and if you desaturate by 10%, it is **86, 216, 210**.

Distribution



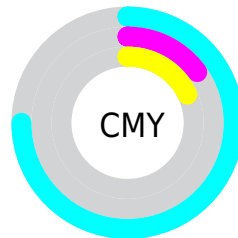
- Red (25%)
- Green (85%)
- Blue (82%)



- Red (25%)
- Yellow (56%)
- Blue (85%)



- Cyan (70%)
- Magenta (0%)
- Yellow (3%)
- Black (15%)



















- Cyan (75%)
- Magenta (15%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RGB color 64, 216, 209 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 RGB color 64, 216, 209 by changing the saturation by 10% instead.

 64, 216, 209	 64, 216, 209
 255, 255, 255	 0, 188, 181
 133, 255, 255	 0, 160, 155
 164, 255, 255	 0, 134, 129
 195, 255, 255	 0, 108, 104
 226, 255, 255	 0, 83, 80
	 0, 59, 57
	 0, 38, 35
	 0, 1, 14
	 0, 0, 0

■ 64, 216, 209

■ 64, 216, 209

■ 42, 216, 208

■ 86, 216, 210

■ 21, 216, 207

■ 107, 216, 211

■ 0, 216, 206

■ 129, 216, 212

■ 150, 216, 213

■ 172, 216, 214

■ 194, 216, 215

■ 215, 216, 216

■ 237, 216, 217

■ 255, 216, 218

Harmonies

Analogous

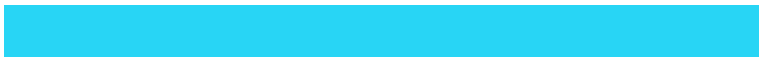
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



117, 214, 170



64, 216, 209



40, 213, 245

Triad

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



64, 216, 209



218, 180, 253



241, 185, 123

Complementary

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



64, 216, 209



216, 64, 71

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.



255, 172, 147



64, 216, 209



255, 169, 221

Square

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



64, 216, 209



164, 194, 255



255, 166, 182



207, 198, 119

Rectangle

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



64, 216, 209



76, 209, 255



255, 166, 182



251, 180, 129

Sweetspot

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



64, 216, 209



201, 255, 253



72, 216, 64



96, 128, 126



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64, 216, 209



41, 255, 245



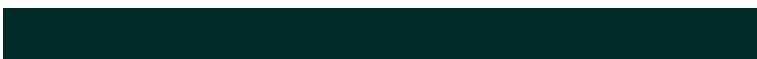
64, 148, 216



96, 107, 107



0, 171, 163



0, 43, 41

Inverse Universe

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



216, 64, 71



255, 41, 51



216, 132, 64



107, 96, 97



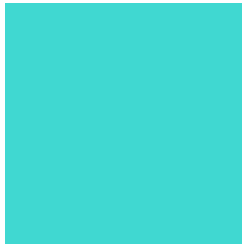
171, 0, 8



43, 0, 2

Previews

White Background



This preview shows how the RGB color 64, 216, 209 looks on a white background.

Color Contrast Check

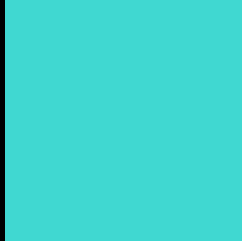
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 64, 216, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

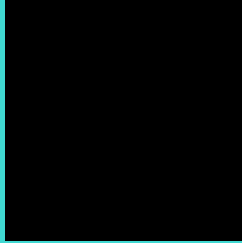
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

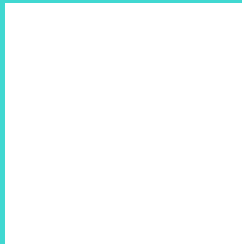
Any Text WCAG AAA ✓ Pass

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

RGB 64, 216, 209 Background



This preview shows how black text looks on a background with the RGB color 64, 216, 209.

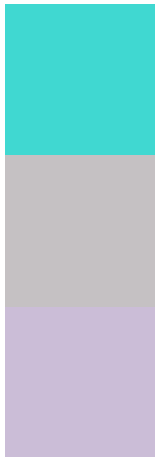


This preview shows how white text looks on a background with the RGB color 64, 216, 209.

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](#).

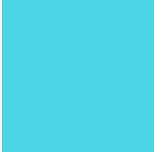
Dichromacy



Original Color
64, 216, 209

Protanopia
197, 193, 195

Deuteranopia
203, 189, 215



Tritanopia
76, 213, 230

Trichromacy



Original Color

64, 216, 209



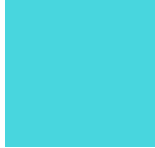
Protanomaly

149, 201, 200



Deuteranomaly

152, 199, 213



Tritanomaly

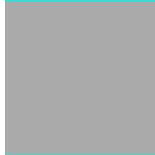
72, 214, 222

Monochromacy



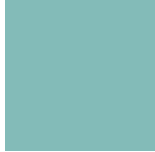
Original Color

64, 216, 209



Achromatopsia

170, 170, 170



Achromatomaly

131, 187, 184

CSS Examples

Text

The CSS property to change the color of the text to RGB 64, 216, 209 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, 216, 209)` looks like.

```
.text, #text, p{  
    color:rgb(64, 216, 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(64, 216, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 216, 209) }
```

Border

The CSS property to change the border of an element to RGB 64, 216, 209 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, 216, 209) }
```

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

```
.border{ border-color:rgb(64, 216, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 216, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 216, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 216, 209);  
box-shadow:4px 4px 4px 4px rgb(64, 216,  
209) }
```

Background

The CSS property to change the background color of an element to RGB 64, 216, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 216, 209) }
```

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

```
.background{ background-color: rgb(64, 216,  
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](#).

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