

Converting Colors

`RYB(36, 118, 197)`

Have a look what the booklet for
RYB(36, 118, 197) contains.

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Color

$\text{RYB}(36, 118, 197)$

Conversions

Conversions Part 1

Format	Color
Hex	24C5BF
RGB	36, 197, 191
RGB Percent	14%, 77%, 75%
CMY	0.8588, 0.2275, 0.2505
CMYK	0.82, 0.00, 0.03, 0.23
HSL	178°, 69%, 46%
HSV	178°, 82%, 77%
XYZ	30.1099, 44.0740, 56.2737
YIQ	148.1770, -94.0300, -35.9980

Conversions

Conversions Part 2

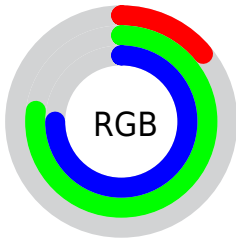
Format	Color
RYB	36, 118, 197
Decimal	2409919
CIELab	72.28, -39.66, -8.30
CIElCh	72, 40.520, 191.817
Yxy	44.0740, 0.2308, 0.3378
Android (android.graphics.Color)	4280599999 (0xFF24C5BF)
YUV	148.1770, 21.1117, -98.3792
Hunter-Lab	66.3882, -35.2222, -3.7852

Details

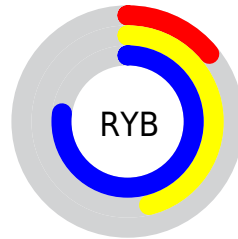
The RYB color **36, 118, 197** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **197, 36, 42**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **113, 185, 254**, and **0, 72, 142** is the 20% darker color. If you saturate the color by 10%, you get **16, 108, 197**, and if you desaturate by 10%, it is **56, 128, 197**.

Distribution



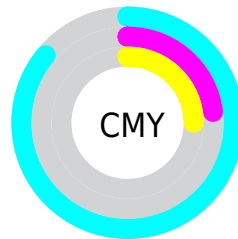
- Red (14%)
- Green (77%)
- Blue (75%)



- Red (14%)
- Yellow (46%)
- Blue (77%)



- Cyan (82%)
- Magenta (0%)
- Yellow (3%)
- Black (23%)



















- Cyan (86%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 36, 118, 197 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 RYB color 36, 118, 197 by changing the saturation by 10% instead.

 36, 118, 197	 36, 118, 197
 255, 255, 255	 0, 86, 169
 113, 185, 254	 0, 72, 142
 145, 200, 255	 0, 59, 116
 176, 216, 255	 0, 46, 91
 207, 231, 255	 0, 33, 66
 237, 246, 255	 0, 22, 44
	 0, 9, 23
	 0, 0, 0

 36, 118, 197	 36, 118, 197
--	--

■ 16, 108, 197

■ 56, 128, 197

■ 0, 100, 197

■ 75, 137, 197

■ 95, 147, 197

■ 115, 157, 197

■ 135, 167, 197

■ 154, 176, 197

■ 174, 186, 197

■ 194, 196, 197

■ 213, 197, 198

Harmonies

Analogous

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



99, 160, 195



36, 118, 197



0, 104, 225

Triad

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



36, 118, 197



200, 162, 233



210, 221, 107

Complementary

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



36, 118, 197



197, 36, 42

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.



243, 162, 130



36, 118, 197



235, 151, 201

Square

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



36, 118, 197



147, 170, 249



249, 148, 164



111, 187, 103

Rectangle

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



36, 118, 197



53, 132, 242



249, 148, 164



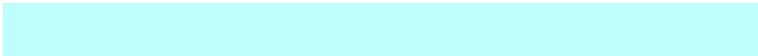
230, 200, 113

Sweetspot

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



36, 118, 197



191, 224, 255



36, 197, 189



89, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



36, 118, 197



5, 132, 255



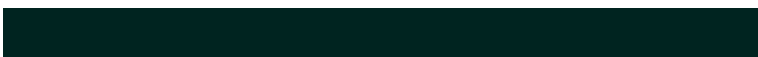
36, 93, 197



90, 95, 99



0, 83, 163



0, 19, 36

Inverse Universe

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



197, 36, 42



255, 5, 14



197, 166, 36



99, 90, 90



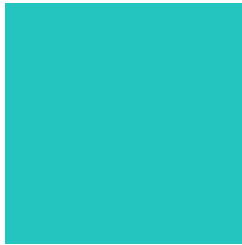
163, 0, 6



36, 0, 1

Previews

White Background



This preview shows how the RYB color 36, 118, 197 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 RYB color 36, 118, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

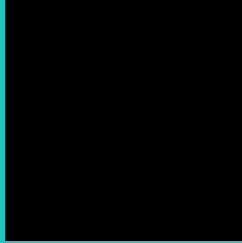
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

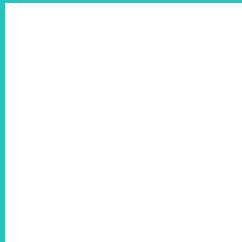
Any Text WCAG AAA ✓ Pass

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

R Y B 36, 118, 197 Background



This preview shows how black text looks on a background with the R Y B color 36, 118, 197.

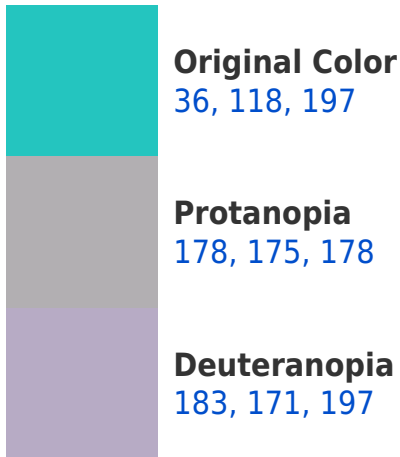


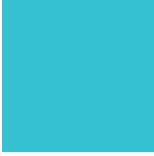
This preview shows how white text looks on a background with the R Y B color 36, 118, 197.

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





Tritanopia
53, 127, 210

Trichromacy



Original Color

36, 118, 197



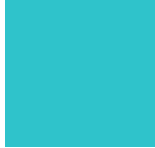
Protanomaly

126, 155, 183



Deuteranomaly

130, 158, 195



Tritanomaly

47, 123, 203

Monochromacy



Original Color

36, 118, 197



Achromatopsia

148, 148, 148



Achromatomaly

107, 137, 166

CSS Examples

Text

The CSS property to change the color of the text to RYB 36, 118, 197 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(36, 197, 191)` looks like.

```
.text, #text, p{  
    color:rgb(36, 197, 191)  
}
```

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(36, 197, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 197, 191) }
```

Border

The CSS property to change the border of an element to RYB 36, 118, 197 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(36, 197, 191) }
```

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

```
.border{ border-color:rgb(36, 197, 191) }
```

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

Here you see how a box with a 4 pixel rgb(36, 197, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 197, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 197, 191);  
box-shadow:4px 4px 4px 4px rgb(36, 197,  
191) }
```

Background

The CSS property to change the background color of an element to RGB 36, 118, 197 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 197, 191) }
```

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

```
.background{ background-color: rgb(36, 197,  
191) }
```

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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