

Converting Colors

`RYB(36, 113, 179)`

Have a look what the booklet for
RYB(36, 113, 179) contains.

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Color

$\text{RYB}(36, 113, 179)$

Conversions

Conversions Part 1

Format	Color
Hex	24B39F
RGB	36, 179, 159
RGB Percent	14%, 70%, 62%
CMY	0.8588, 0.2980, 0.3782
CMYK	0.80, 0.00, 0.11, 0.30
HSL	171°, 67%, 42%
HSV	171°, 80%, 70%
XYZ	23.0685, 35.1036, 38.1661
YIQ	133.9630, -78.8080, -36.5360

Conversions

Conversions Part 2

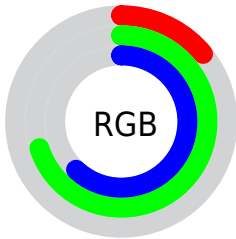
Format	Color
RYB	36, 113, 179
Decimal	2405279
CIELab	65.83, -40.83, 0.07
CIELCh	66, 40.825, 179.904
Yxy	35.1036, 0.2395, 0.3644
Android (android.graphics.Color)	4280595359 (0xFF24B39F)
YUV	133.9630, 12.3432, -85.9136
Hunter-Lab	59.2483, -34.1850, 3.2809

Details

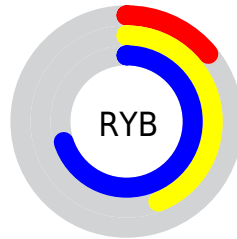
The RYB color **36, 113, 179** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **179, 36, 56**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **107, 177, 235**, and **0, 67, 125** is the 20% darker color. If you saturate the color by 10%, you get **18, 105, 179**, and if you desaturate by 10%, it is **54, 121, 179**.

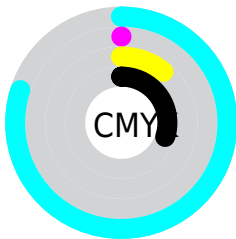
Distribution



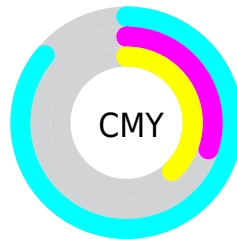
- Red (14%)
- Green (70%)
- Blue (62%)



- Red (14%)
- Yellow (44%)
- Blue (70%)



- Cyan (80%)
- Magenta (0%)
- Yellow (11%)
- Black (30%)



- Cyan (86%)
- Magenta (30%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 36, 113, 179 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, 113, 179 by changing the saturation by 10% instead.

 36, 113, 179  36, 113, 179

255, 255, 255  0, 81, 152

 107, 177, 235  0, 67, 125

 138, 200, 255  0, 55, 100


 168, 212, 255  0, 42, 75

 198, 227, 255  0, 29, 51

 228, 242, 255  0, 18, 29

 0, 0, 0

 36, 113, 179  36, 113, 179

 18, 105, 179  54, 121, 179

■ 0, 97, 179

■ 72, 130, 179

■ 90, 138, 179

■ 108, 146, 179

■ 126, 155, 179

■ 143, 162, 179

■ 161, 171, 179

■ 179, 179, 179

■ 197, 179, 182

Harmonies

Analogous

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



101, 160, 176



36, 113, 179



0, 93, 195

Triad

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



36, 113, 179



163, 150, 223



212, 179, 97

Complementary

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



36, 113, 179



179, 36, 56

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.



229, 135, 125



36, 113, 179



206, 137, 197

Square

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



36, 113, 179



102, 144, 233



227, 131, 161



120, 183, 86

Rectangle

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



36, 113, 179



0, 96, 215



227, 131, 161



219, 158, 105

Sweetspot

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



36, 113, 179



176, 206, 232



36, 179, 158



83, 101, 117



245, 245, 245



117, 117, 117

Same Dimension

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



36, 113, 179



9, 129, 232



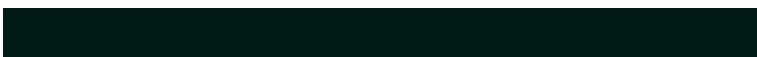
36, 92, 179



80, 85, 89



0, 82, 153



0, 14, 26

Inverse Universe

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



179, 36, 56



232, 9, 41



179, 113, 36



89, 80, 82



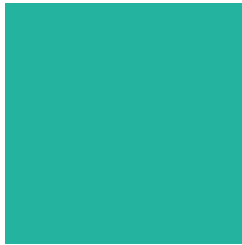
153, 0, 22



26, 0, 4

Previews

White Background



This preview shows how the RYB color 36, 113, 179 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, 113, 179 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](#).

RYB 36, 113, 179 Background



This preview shows how black text looks on a background with the RYB color 36, 113, 179.

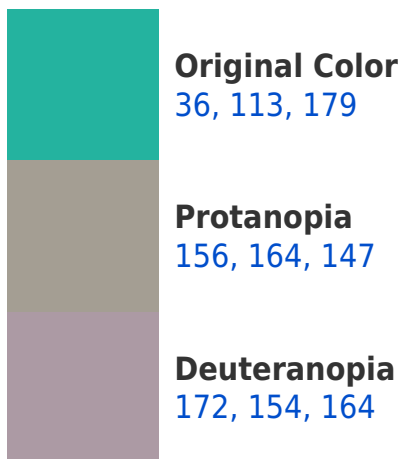


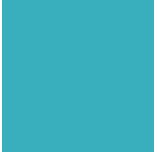
This preview shows how white text looks on a background with the RYB color 36, 113, 179.

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
57, 119, 189

Trichromacy



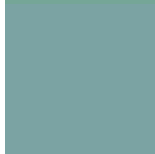
Original Color

36, 113, 179



Protanomaly

117, 146, 166



Deuteranomaly

123, 143, 163



Tritanomaly

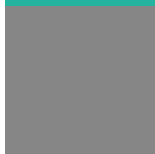
49, 113, 178

Monochromacy



Original Color

36, 113, 179



Achromatopsia

134, 134, 134



Achromatomaly

98, 126, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 36, 113, 179 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, 179, 159)` looks like.

```
.text, #text, p{  
    color:rgb(36, 179, 159)  
}
```

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, 179, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 179, 159) }
```

Border

The CSS property to change the border of an element to RYB 36, 113, 179 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, 179, 159) }
```

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

```
.border{ border-color:rgb(36, 179, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 179, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 179, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 179, 159);  
box-shadow:4px 4px 4px 4px rgb(36, 179,  
159) }
```

Background

The CSS property to change the background color of an element to RGB 36, 113, 179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 179, 159) }
```

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

```
.background{ background-color: rgb(36, 179,  
159) }
```

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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