

Converting Colors

`RYB(36, 109, 181)`

Have a look what the booklet for
RYB(36, 109, 181) contains.

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Color

$\text{RYB}(36, 109, 181)$

Conversions

Conversions Part 1

Format	Color
Hex	24B5B3
RGB	36, 181, 179
RGB Percent	14%, 71%, 70%
CMY	0.8588, 0.2902, 0.2980
CMYK	0.80, 0.00, 0.01, 0.29
HSL	179°, 67%, 43%
HSV	179°, 80%, 71%
XYZ	25.3895, 36.6780, 48.3965
YIQ	137.4170, -85.7780, -31.3620

Conversions

Conversions Part 2

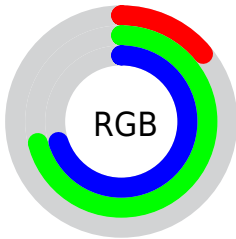
Format	Color
RYB	36, 109, 181
Decimal	2405811
CIELab	67.03, -35.89, -9.47
CIELCh	67, 37.122, 194.779
Yxy	36.6780, 0.2298, 0.3320
Android (android.graphics.Color)	4280595891 (0xFF24B5B3)
YUV	137.4170, 20.5004, -88.9427
Hunter-Lab	60.5624, -31.1519, -4.9860

Details

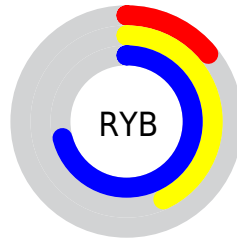
The RYB color **36, 109, 181** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **181, 36, 38**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **110, 174, 237**, and **0, 64, 127** is the 20% darker color. If you saturate the color by 10%, you get **18, 100, 181**, and if you desaturate by 10%, it is **54, 118, 181**.

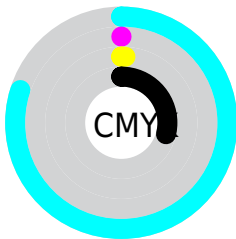
Distribution



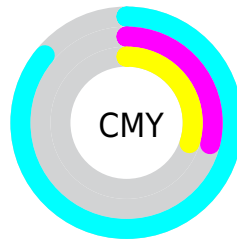
- Red (14%)
- Green (71%)
- Blue (70%)



- Red (14%)
- Yellow (43%)
- Blue (71%)



- Cyan (80%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)





- Cyan (86%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 36, 109, 181 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, 109, 181 by changing the saturation by 10% instead.

 36, 109, 181


 36, 109, 181

255, 255, 255

 0, 78, 154


 110, 174, 237

 0, 64, 127

 140, 198, 255

 0, 51, 102


 171, 213, 255

 0, 39, 78

 201, 228, 255


 0, 27, 55


 231, 243, 255

 0, 17, 33

 0, 0, 11

 0, 0, 0

 36, 109, 181

 36, 109, 181

■ 18, 100, 181

■ 54, 118, 181

■ 0, 91, 181

■ 72, 127, 181

■ 90, 136, 181

■ 108, 145, 181

■ 127, 154, 181

■ 145, 163, 181

■ 163, 172, 181

■ 181, 181, 181

■ 199, 181, 181

Harmonies

Analogous

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



88, 145, 180



36, 109, 181



15, 104, 209

Triad

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



36, 109, 181



188, 148, 211



180, 200, 99

Complementary

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



36, 109, 181



181, 36, 38

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.



221, 153, 118



36, 109, 181



218, 139, 182

Square

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



36, 109, 181



141, 157, 228



228, 137, 148



100, 169, 97

Rectangle

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



36, 109, 181



62, 128, 223



228, 137, 148



208, 191, 103

Sweetspot

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



36, 109, 181



178, 207, 235



36, 181, 179



83, 100, 117



245, 245, 245



117, 117, 117

Same Dimension

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



36, 109, 181



9, 123, 235



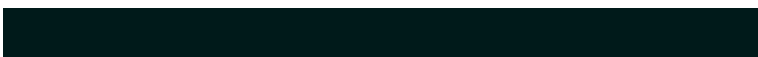
36, 85, 181



80, 85, 89



0, 77, 153



0, 13, 26

Inverse Universe

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



181, 36, 38



235, 9, 12



181, 171, 36



89, 80, 80



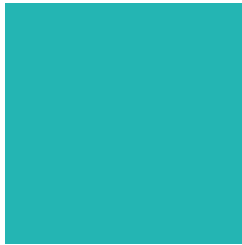
153, 0, 2



26, 0, 0

Previews

White Background



This preview shows how the RYB color 36, 109, 181 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, 109, 181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

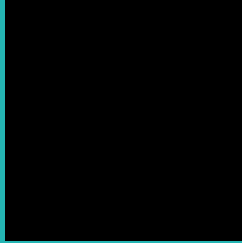
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

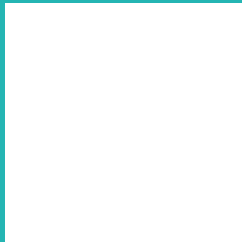
Any Text WCAG AAA ✓ Pass

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

R_YB 36, 109, 181 Background



This preview shows how black text looks on a background with the R_YB color 36, 109, 181.

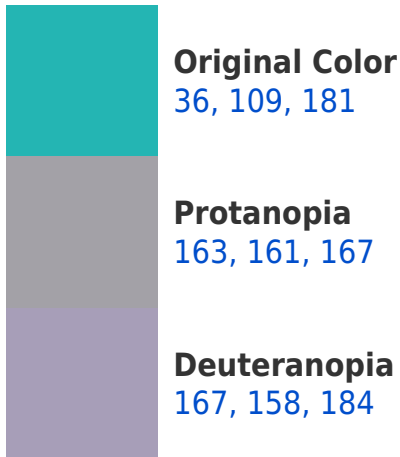


This preview shows how white text looks on a background with the R_YB color 36, 109, 181.

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
48, 117, 193

Trichromacy



Original Color

36, 109, 181



Protanomaly

117, 143, 171



Deuteranomaly

119, 146, 182



Tritanomaly

44, 114, 188

Monochromacy



Original Color

36, 109, 181



Achromatopsia

137, 137, 137



Achromatomaly

100, 127, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 36, 109, 181 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, 181, 179)` looks like.

```
.text, #text, p{  
    color:rgb(36, 181, 179)  
}
```

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, 181, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 181, 179) }
```

Border

The CSS property to change the border of an element to RYB 36, 109, 181 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, 181, 179) }
```

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

```
.border{ border-color:rgb(36, 181, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 181, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 181, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 181, 179);  
box-shadow:4px 4px 4px 4px rgb(36, 181,  
179) }
```

Background

The CSS property to change the background color of an element to RGB 36, 109, 181 is called "background".

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

```
.background, #background, body{  
background: rgb(36, 181, 179) }
```

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

```
.background{ background-color: rgb(36, 181,  
179) }
```

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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