

Converting Colors

`RYB(36, 134, 204)`

Have a look what the booklet for
RYB(36, 134, 204) contains.

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Color

R_YB(36, 134, 204)

Conversions

Conversions Part 1

Format	Color
Hex	24CC9C
RGB	36, 204, 156
RGB Percent	14%, 80%, 61%
CMY	0.8588, 0.2000, 0.3882
CMYK	0.82, 0.00, 0.24, 0.20
HSL	163°, 70%, 47%
HSV	163°, 82%, 80%
XYZ	28.3212, 45.9611, 38.8312
YIQ	148.2960, -84.7200, -50.5440

Conversions

Conversions Part 2

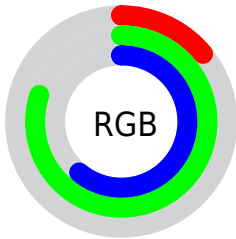
Format	Color
RYB	36, 134, 204
Decimal	2411676
CIELab	73.52, -51.90, 12.51
CIElCh	74, 53.391, 166.444
Yxy	45.9611, 0.2504, 0.4063
Android (android.graphics.Color)	4280601756 (0xFF24CC9C)
YUV	148.2960, 3.7981, -98.4836
Hunter-Lab	67.7946, -44.0723, 13.4963

Details

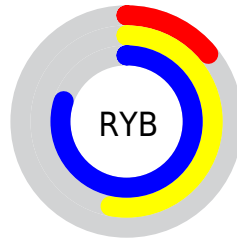
The RYB color **36, 134, 204** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **204, 36, 84**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **112, 197, 255**, and **0, 87, 149** is the 20% darker color. If you saturate the color by 10%, you get **16, 126, 204**, and if you desaturate by 10%, it is **56, 142, 204**.

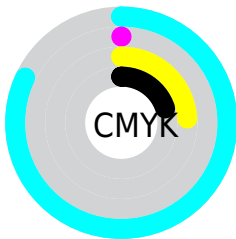
Distribution



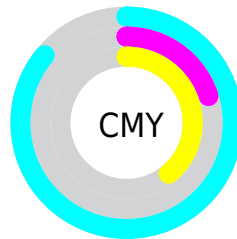
- Red (14%)
- Green (80%)
- Blue (61%)



- Red (14%)
- Yellow (53%)
- Blue (80%)



- Cyan (82%)
- Magenta (0%)
- Yellow (24%)
- Black (20%)



















- Cyan (86%)
- Magenta (20%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 36, 134, 204 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, 134, 204 by changing the saturation by 10% instead.

 36, 134, 204	 36, 134, 204
 255, 255, 255	 0, 101, 176
 112, 197, 255	 0, 87, 149
 143, 203, 255	 0, 73, 122
 174, 215, 255	 0, 60, 96
 205, 230, 255	 0, 47, 71
 235, 245, 255	 0, 37, 48
	 0, 21, 21
	 0, 0, 0

 36, 134, 204  36, 134, 204

■ 16, 126, 204

■ 56, 142, 204

■ 0, 119, 204

■ 77, 151, 204

■ 97, 160, 204

■ 118, 168, 204

■ 138, 177, 204

■ 158, 185, 204

■ 179, 194, 204

■ 199, 202, 204

■ 220, 204, 208

Harmonies

Analogous

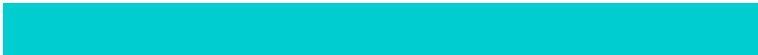
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



111, 198, 181



36, 134, 204



0, 103, 207

Triad

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



36, 134, 204



147, 170, 255



255, 168, 112

Complementary

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



36, 134, 204



204, 36, 84

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, 140, 155



36, 134, 204



219, 157, 249

Square

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



36, 134, 204



0, 110, 255



255, 142, 205



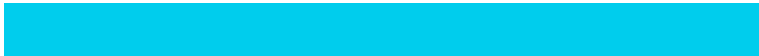
181, 228, 84

Rectangle

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



36, 134, 204



0, 110, 237



255, 142, 205



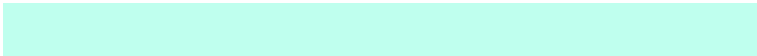
255, 151, 125

Sweetspot

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



36, 134, 204



191, 228, 255



36, 204, 154



89, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



36, 134, 204



3, 150, 255



36, 111, 204



92, 98, 102



0, 97, 166



0, 22, 38

Inverse Universe

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



204, 36, 84



255, 3, 75



204, 79, 36



102, 92, 95



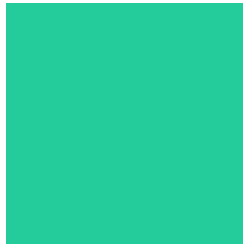
166, 0, 47



38, 0, 11

Previews

White Background



This preview shows how the RYB color 36, 134, 204 looks on a white background.

Color Contrast Check

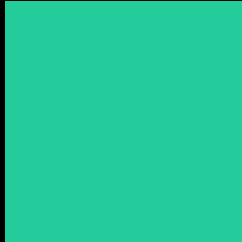
Large Text (above 18pt) WCAG AA × Fail

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, 134, 204 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

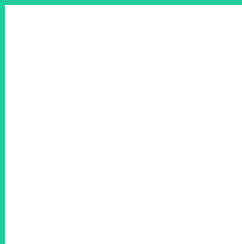
Any Text WCAG AAA ✓ Pass

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

RGB 36, 134, 204 Background



This preview shows how black text looks on a background with the RGB color 36, 134, 204.

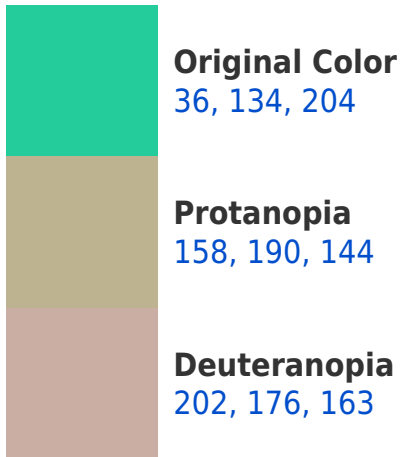


This preview shows how white text looks on a background with the RGB color 36, 134, 204.

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
72, 138, 212

Trichromacy



Original Color

36, 134, 204



Protanomaly

134, 177, 188



Deuteranomaly

142, 171, 184



Tritanomaly

59, 131, 199

Monochromacy



Original Color

36, 134, 204



Achromatopsia

148, 148, 148



Achromatomaly

107, 142, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 36, 134, 204 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, 204, 156)` looks like.

```
.text, #text, p{  
    color:rgb(36, 204, 156)  
}
```

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, 204, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 204, 156) }
```

Border

The CSS property to change the border of an element to RYB 36, 134, 204 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, 204, 156) }
```

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

```
.border{ border-color:rgb(36, 204, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 204, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 204, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 204, 156);  
box-shadow:4px 4px 4px 4px rgb(36, 204,  
156) }
```

Background

The CSS property to change the background color of an element to RYB 36, 134, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 204, 156) }
```

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

```
.background{ background-color: rgb(36, 204,  
156) }
```

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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