

Converting Colors

`RYB(35, 160, 220)`

Have a look what the booklet for
RYB(35, 160, 220) contains.

RYB(35, 160, 220)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(35, 160, 220)`

Conversions

Conversions Part 1

Format	Color
Hex	23DC7C
RGB	35, 220, 124
RGB Percent	14%, 86%, 49%
CMY	0.8627, 0.1373, 0.5145
CMYK	0.84, 0.00, 0.44, 0.14
HSL	149°, 73%, 50%
HSV	149°, 84%, 86%
XYZ	29.9118, 52.9939, 27.6549
YIQ	153.7410, -79.4440, -69.0760

Conversions

Conversions Part 2

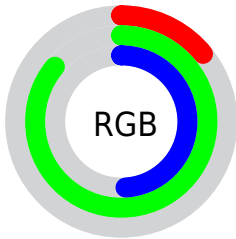
Format	Color
RYB	35, 160, 220
Decimal	2350204
CIELab	77.87, -64.52, 35.19
CIELCh	78, 73.492, 151.392
Yxy	52.9939, 0.2705, 0.4793
Android (android.graphics.Color)	4280540284 (0xFF23DC7C)
YUV	153.7410, -14.6623, -104.1359
Hunter-Lab	72.7969, -54.0501, 28.4341

Details

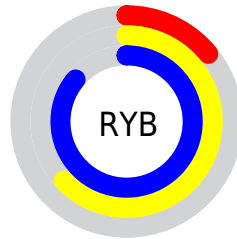
The RYB color **35, 160, 220** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **220, 35, 131**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **115, 212, 255**, and **0, 113, 163** is the 20% darker color. If you saturate the color by 10%, you get **13, 153, 220**, and if you desaturate by 10%, it is **57, 167, 220**.

Distribution



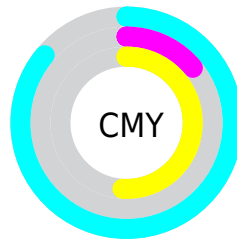
- Red (14%)
- Green (86%)
- Blue (49%)



- Red (14%)
- Yellow (63%)
- Blue (86%)



- Cyan (84%)
- Magenta (0%)
- Yellow (44%)
- Black (14%)



















- Cyan (86%)
- Magenta (14%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the RYB color 35, 160, 220 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 35, 160, 220 by changing the saturation by 10% instead.

 35, 160, 220	 35, 160, 220
 255, 255, 255	 0, 126, 191
 115, 212, 255	 0, 113, 163
 147, 217, 255	 0, 100, 136
 178, 223, 255	 0, 89, 109
 209, 232, 255	 0, 84, 84
 240, 248, 255	 0, 59, 59
	 0, 34, 34
	 0, 0, 0

 35, 160, 220  35, 160, 220

■ 13, 153, 220

■ 57, 167, 220

■ 0, 148, 220

■ 79, 174, 220

■ 101, 181, 220

■ 123, 188, 220

■ 145, 196, 220

■ 167, 203, 220

■ 189, 210, 220

■ 211, 217, 220

■ 233, 220, 227

Harmonies

Analogous

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



65, 209, 118



35, 160, 220



0, 121, 225

Triad

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



35, 160, 220



0, 112, 255



255, 139, 125

Complementary

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



35, 160, 220



220, 35, 131

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, 127, 192



35, 160, 220



197, 173, 255

Square

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



35, 160, 220



0, 117, 255



255, 143, 255



249, 255, 70

Rectangle

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



35, 160, 220



0, 116, 240



255, 143, 255



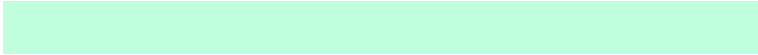
255, 131, 147

Sweetspot

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



35, 160, 220



191, 234, 255



35, 220, 121



89, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



35, 160, 220



0, 172, 255



35, 129, 220



99, 107, 110



0, 117, 173



0, 31, 46

Inverse Universe

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



220, 35, 131



255, 0, 133



220, 35, 41



110, 99, 104



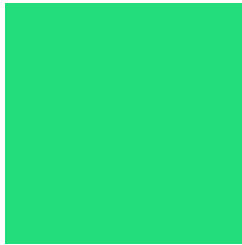
173, 0, 90



46, 0, 24

Previews

White Background



This preview shows how the RYB color 35, 160, 220 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 35, 160, 220 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 35, 160, 220 Background



This preview shows how black text looks on a background with the RGB color 35, 160, 220.

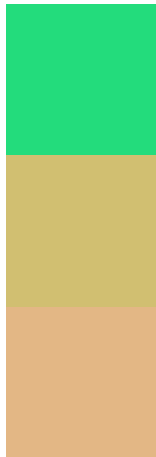


This preview shows how white text looks on a background with the RGB color 35, 160, 220.

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
35, 160, 220

Protanopia
135, 209, 113

Deuteranopia
216, 227, 133



Tritanopia
87, 151, 225

Trichromacy



Original Color

35, 160, 220



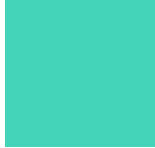
Protanomaly

117, 202, 173



Deuteranomaly

130, 196, 169



Tritanomaly

68, 147, 212

Monochromacy



Original Color

35, 160, 220



Achromatopsia

154, 154, 154



Achromatomaly

111, 156, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 35, 160, 220 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(35, 220, 124)` looks like.

```
.text, #text, p{  
    color:rgb(35, 220, 124)  
}
```

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(35, 220, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 220, 124) }
```

Border

The CSS property to change the border of an element to RYB 35, 160, 220 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(35, 220, 124) }
```

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

```
.border{ border-color:rgb(35, 220, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 220, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 220, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 220, 124);  
box-shadow:4px 4px 4px 4px rgb(35, 220,  
124) }
```

Background

The CSS property to change the background color of an element to RGB 35, 160, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 220, 124) }
```

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

```
.background{ background-color: rgb(35, 220,  
124) }
```

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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