

Converting Colors

`RYB(35, 205, 255)`

Have a look what the booklet for
RYB(35, 205, 255) contains.

RYB(35, 205, 255)	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

R_YB(35, 205, 255)

Conversions

Conversions Part 1

Format	Color
Hex	23FF64
RGB	35, 255, 100
RGB Percent	14%, 100%, 39%
CMY	0.8627, 0.0000, 0.6090
CMYK	0.86, 0.00, 0.61, 0.00
HSL	138°, 100%, 57%
HSV	138°, 86%, 100%
XYZ	38.7392, 72.7917, 23.9905
YIQ	171.5500, -81.3650, -94.8450

Conversions

Conversions Part 2

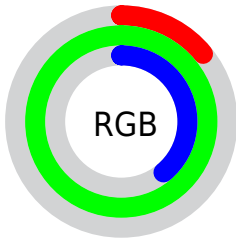
Format	Color
RYB	35, 205, 255
Decimal	2359140
CIELab	88.35, -79.06, 59.11
CIELCh	88, 98.718, 143.215
Yxy	72.7917, 0.2859, 0.5371
Android (android.graphics.Color)	4280549220 (0xFF23FF64)
YUV	171.5500, -35.2742, -119.7544
Hunter-Lab	85.3181, -68.2577, 43.0509

Details

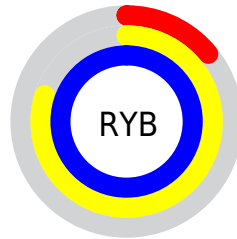
The RYB color **35, 205, 255** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed spring green. A complement of this color would be **255, 35, 190**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **124, 230, 255**, and **0, 161, 196** is the 20% darker color. If you saturate the color by 10%, you get **9, 199, 255**, and if you desaturate by 10%, it is **60, 210, 255**.

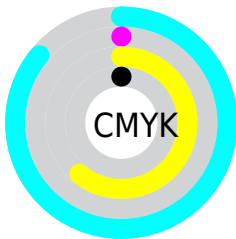
Distribution



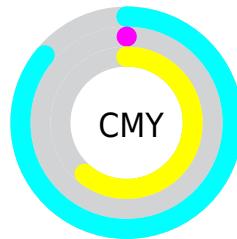
- Red (14%)
- Green (100%)
- Blue (39%)



- Red (14%)
- Yellow (80%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)


















- Cyan (86%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 35, 205, 255 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, 205, 255 by changing the saturation by 10% instead.

 35, 205, 255	 35, 205, 255
255, 255, 255	 0, 170, 225
 124, 230, 255	 0, 161, 196
 158, 235, 255	 0, 168, 168
 191, 239, 255	 0, 140, 140
 223, 243, 255	 0, 113, 113
	 0, 87, 87
	 0, 62, 62
	 0, 36, 36
	 0, 0, 0

 35, 205, 255

 35, 205, 255

 9, 199, 255

 60, 210, 255

 0, 197, 255

 86, 216, 255

 111, 222, 255

 137, 228, 255

 163, 234, 255

 188, 240, 255

 213, 245, 255

 239, 251, 255

255, 255, 255

Harmonies

Analogous

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



0, 238, 44



35, 205, 255



0, 144, 255

Triad

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



35, 205, 255



0, 123, 255



255, 129, 154

Complementary

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



35, 205, 255



255, 35, 190

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, 122, 247



35, 205, 255



172, 196, 255

Square

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



35, 205, 255



0, 128, 255



255, 160, 255



220, 255, 66

Rectangle

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



35, 205, 255



0, 128, 255



255, 160, 255



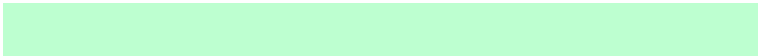
255, 120, 184

Sweetspot

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



35, 205, 255



189, 240, 255



35, 255, 97



88, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



35, 205, 255



0, 197, 255



35, 158, 255



115, 126, 128



0, 148, 191



0, 49, 64

Inverse Universe

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



255, 35, 190



255, 0, 180



255, 35, 83



128, 115, 124



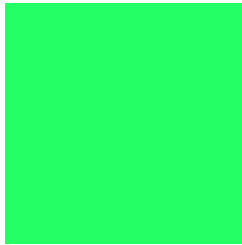
191, 0, 135



64, 0, 45

Previews

White Background



This preview shows how the RYB color 35, 205, 255 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, 205, 255 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, 205, 255 Background



This preview shows how black text looks on a background with the RGB color 35, 205, 255.

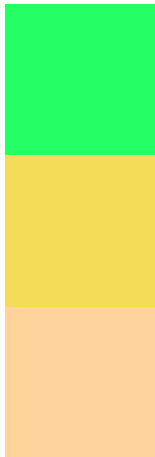


This preview shows how white text looks on a background with the RGB color 35, 205, 255.

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](#).

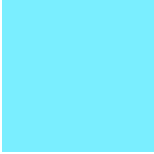
Dichromacy



Original Color
35, 205, 255

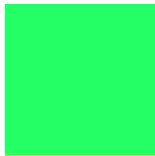
Protanopia
117, 244, 89

Deuteranopia
232, 255, 156



Tritanopia
122, 184, 255

Trichromacy



Original Color

35, 205, 255



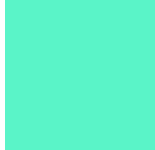
Protanomaly

93, 233, 158



Deuteranomaly

136, 228, 189



Tritanomaly

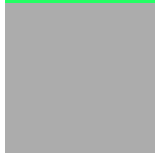
90, 180, 244

Monochromacy



Original Color

35, 205, 255



Achromatopsia

172, 172, 172



Achromatomaly

122, 184, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 35, 205, 255 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, 255, 100)` looks like.

```
.text, #text, p{  
    color:rgb(35, 255, 100)  
}
```

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, 255, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 255, 100) }
```

Border

The CSS property to change the border of an element to RYB 35, 205, 255 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, 255, 100) }
```

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

```
.border{ border-color:rgb(35, 255, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 255, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 255, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 255, 100);  
box-shadow:4px 4px 4px 4px rgb(35, 255,  
100) }
```

Background

The CSS property to change the background color of an element to RYB 35, 205, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 255, 100) }
```

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

```
.background{ background-color: rgb(35, 255,  
100) }
```

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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