

# Converting Colors

`RYB(66, 207, 245)`

Have a look what the booklet for  
RYB(66, 207, 245) contains.

<b>RYB(66, 207, 245)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**RYB(66, 207, 245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42F572
RGB	66, 245, 114
RGB Percent	26%, 96%, 45%
CMY	0.7412, 0.0392, 0.5520
CMYK	0.73, 0.00, 0.53, 0.04
HSL	136°, 90%, 61%
HSV	136°, 73%, 96%
XYZ	37.9502, 67.6835, 27.0557
YIQ	176.5450, -64.6330, -78.6890

# Conversions

## Conversions Part 2

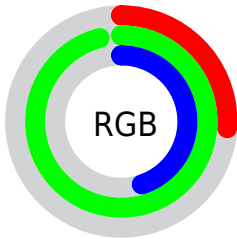
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	66, 207, 245
Decimal	4388210
CIELab	85.85, -70.82, 49.86
CIELCh	86, 86.611, 144.851
Yxy	67.6835, 0.2860, 0.5101
Android (android.graphics.Color)	4282578290 (0xFF42F572)
YUV	176.5450, -30.8347, -96.9480
Hunter-Lab	82.2700, -61.6324, 38.0906

# Details

The RYB color **66, 207, 245** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed spring green. A complement of this color would be **245, 66, 197**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **137, 230, 255**, and **0, 141, 187** is the 20% darker color. If you saturate the color by 10%, you get **42, 202, 245**, and if you desaturate by 10%, it is **91, 213, 245**.

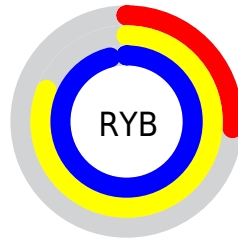
# Distribution



Red (26%)

Green (96%)

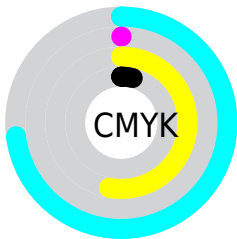
Blue (45%)



Red (26%)

Yellow (81%)

Blue (96%)

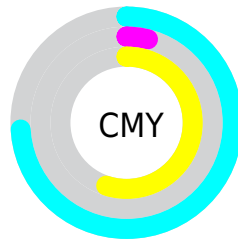


Cyan (73%)

Magenta (0%)

Yellow (53%)

Black (4%)



Cyan (74%)

Magenta (4%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 66, 207, 245 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 66, 207, 245 by changing the saturation by 10% instead.




 66, 207, 245	 66, 207, 245
255, 255, 255	 0, 153, 216
 137, 230, 255	 0, 141, 187
 169, 234, 255	 0, 131, 159
 201, 238, 255	 0, 132, 132
 232, 244, 255	 0, 105, 105
	 0, 79, 79
	 0, 55, 55
	 0, 29, 29
	 0, 0, 0

 66, 207, 245

 66, 207, 245

 42, 202, 245

 91, 213, 245

 17, 197, 245

 115, 217, 245

 0, 193, 245

 140, 223, 245

 164, 228, 245

 189, 233, 245

 213, 238, 245

 238, 243, 245

 255, 245, 255

# Harmonies

## Analogous

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



40, 230, 82



66, 207, 245



0, 141, 252

# Triad

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



66, 207, 245



0, 121, 255



255, 140, 151

# Complementary

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



66, 207, 245



245, 66, 197

# 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, 134, 232



66, 207, 245



186, 197, 255

# Square

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



66, 207, 245



0, 125, 255



255, 161, 255



231, 255, 78

# Rectangle

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



66, 207, 245



0, 127, 254



255, 161, 255



255, 134, 177

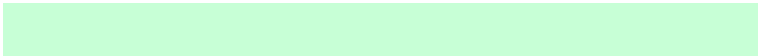


# Sweetspot

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



66, 207, 245



199, 243, 255



66, 245, 114



94, 121, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



66, 207, 245



31, 208, 255



66, 167, 245



110, 120, 122



0, 147, 186



0, 46, 59



# Inverse Universe

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



245, 66, 197



255, 31, 195



245, 66, 108



122, 110, 119



186, 0, 136

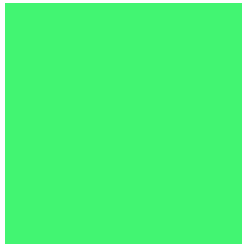


59, 0, 43



# Previews

## White Background



This preview shows how the RYB color 66, 207, 245 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 66, 207, 245 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 66, 207, 245 Background



This preview shows how black text looks on a background with the RYB color 66, 207, 245.

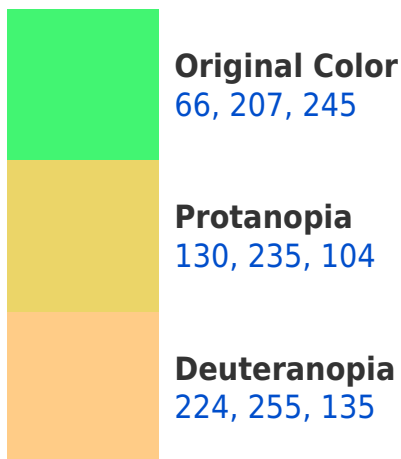



This preview shows how white text looks on a background with the RYB color 66, 207, 245.

# 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**  
113, 176, 249

# Trichromacy



**Original Color**

66, 207, 245



**Protanomaly**

108, 225, 159



**Deuteranomaly**

127, 219, 160



**Tritanomaly**

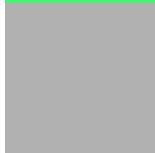
96, 176, 236

# Monochromacy



**Original Color**

66, 207, 245



**Achromatopsia**

177, 177, 177



**Achromatomaly**

137, 189, 202

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 66, 207, 245 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(66, 245, 114)` looks like.

```
.text, #text, p{  
    color:rgb(66, 245, 114)  
}
```

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(66, 245, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 245, 114) }
```

## Border

The CSS property to change the border of an element to RYB 66, 207, 245 is called "border". The border property can be set on classes, ids or directly on the HTML element.

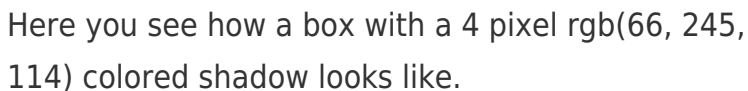
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(66, 245, 114) }
```

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

```
.border{ border-color:rgb(66, 245, 114) }
```

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



Here you see how a box with a 4 pixel `rgb(66, 245, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 245, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 245, 114);  
box-shadow:4px 4px 4px 4px rgb(66, 245,  
114) }
```

# Background

The CSS property to change the background color of an element to RYB 66, 207, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 245, 114) }
```

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

```
.background{ background-color: rgb(66, 245,  
114) }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor