

# Converting Colors

R<sub>YB</sub>(58, 215, 243)

Have a look what the booklet for  
RYB(58, 215, 243) contains.

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# **Color**

**RYB(58, 215, 243)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AF35B
RGB	58, 243, 91
RGB Percent	23%, 95%, 36%
CMY	0.7725, 0.0471, 0.6432
CMYK	0.76, 0.00, 0.63, 0.05
HSL	131°, 89%, 59%
HSV	131°, 76%, 95%
XYZ	35.6836, 65.7559, 20.7075
YIQ	170.3570, -61.4680, -86.4920

# Conversions

## Conversions Part 2

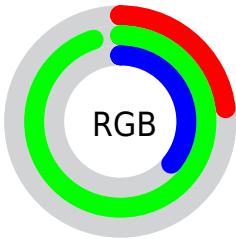
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	58, 215, 243
Decimal	3863387
CIE Lab	84.87, -74.09, 58.90
CIE LCh	85, 94.652, 141.516
Yxy	65.7559, 0.2921, 0.5383
Android (android.graphics.Color)	4282053467 (0xFF3AF35B)
YUV	170.3570, -39.1230, -98.5371
Hunter-Lab	81.0900, -63.3589, 41.6224

# Details

The RYB color **58, 215, 243** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **243, 58, 210**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **133, 243, 255**, and **0, 158, 185** is the 20% darker color. If you saturate the color by 10%, you get **34, 212, 243**, and if you desaturate by 10%, it is **82, 218, 243**.

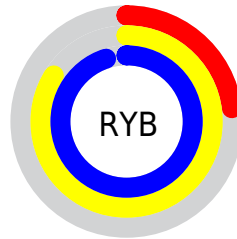
# Distribution



Red (23%)

Green (95%)

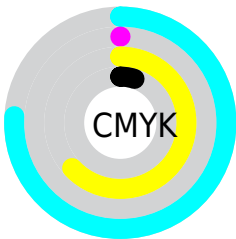
Blue (36%)



Red (23%)

Yellow (84%)

Blue (95%)

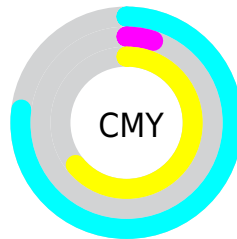


Cyan (76%)

Magenta (0%)

Yellow (63%)

Black (5%)



Cyan (77%)

Magenta (5%)

Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 58, 215, 243 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 58, 215, 243 by changing the saturation by 10% instead.



 58, 215, 243	 58, 215, 243
255, 255, 255	 0, 165, 214
 133, 243, 255	 0, 158, 185
 165, 247, 255	 0, 157, 157
 197, 250, 255	 0, 130, 130
 228, 252, 255	 0, 103, 103
	 0, 77, 77
	 0, 53, 53
	 0, 26, 26
	 0, 0, 0

 58, 215, 243

 58, 215, 243

 34, 212, 243

 82, 218, 243

 9, 207, 243

 107, 223, 243

 0, 206, 243

 131, 226, 243

 155, 229, 243

 179, 233, 243

 204, 237, 243

 228, 241, 243

 252, 243, 251

 255, 243, 255

# Harmonies

## Analogous

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



0, 227, 35



58, 215, 243



0, 145, 251

# Triad

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



58, 215, 243



0, 121, 255



255, 122, 152

# Complementary

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



58, 215, 243



243, 58, 210

# 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, 119, 241



58, 215, 243



153, 185, 255

# Square

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



58, 215, 243



0, 125, 255



255, 156, 255



255, 247, 69

# Rectangle

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



58, 215, 243



0, 129, 253



255, 156, 255



255, 115, 181

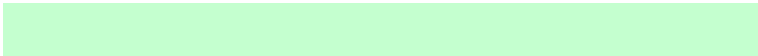


# Sweetspot

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



58, 215, 243



196, 246, 255



58, 243, 89



92, 123, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



58, 215, 243



23, 220, 255



58, 169, 243



110, 120, 122



0, 158, 186



0, 50, 59



# Inverse Universe

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



243, 58, 210



255, 23, 214



243, 58, 120



122, 110, 120



186, 0, 153

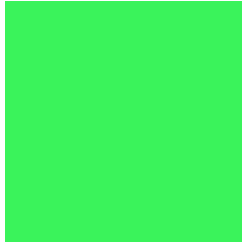


59, 0, 48



# Previews

## White Background



This preview shows how the RYB color 58, 215, 243 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 58, 215, 243 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 58, 215, 243 Background**



This preview shows how black text looks on a background with the RYB color 58, 215, 243.

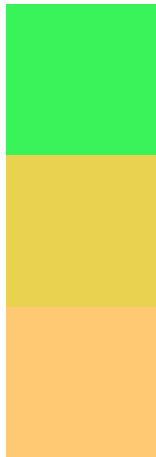


This preview shows how white text looks on a background with the RYB color 58, 215, 243.

# 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](#).

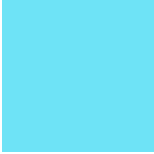
## Dichromacy



**Original Color**  
58, 215, 243

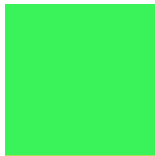
**Protanopia**  
109, 234, 81

**Deuteranopia**  
204, 255, 116



**Tritanopia**  
110, 173, 246

# Trichromacy



**Original Color**

58, 215, 243



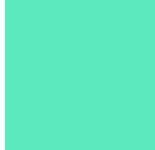
**Protanomaly**

85, 222, 137



**Deuteranomaly**

107, 216, 140



**Tritanomaly**

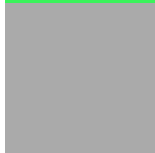
91, 175, 233

# Monochromacy



**Original Color**

58, 215, 243



**Achromatopsia**

170, 170, 170



**Achromatomaly**

129, 187, 197

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 58, 215, 243 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(58, 243, 91)` looks like.

```
.text, #text, p{  
    color:rgb(58, 243, 91)  
}
```

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(58, 243, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 243, 91) }
```

## Border

The CSS property to change the border of an element to RYB 58, 215, 243 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(58, 243, 91) }
```

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

```
.border{ border-color:rgb(58, 243, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 243, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 243, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 243, 91);  
box-shadow:4px 4px 4px 4px rgb(58, 243,  
91) }
```

# Background

The CSS property to change the background color of an element to RYB 58, 215, 243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 243, 91) }
```

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

```
.background{ background-color: rgb(58, 243,  
91) }
```

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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