

Converting Colors

`RYB(77, 235, 213)`

Have a look what the booklet for
RYB(77, 235, 213) contains.

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Color

R_YB(77, 235, 213)

Conversions

Conversions Part 1

Format	Color
Hex	63EB4D
RGB	99, 235, 77
RGB Percent	39%, 92%, 30%
CMY	0.6118, 0.0784, 0.6980
CMYK	0.58, 0.00, 0.67, 0.08
HSL	112°, 80%, 61%
HSV	112°, 67%, 92%
XYZ	36.1935, 62.6051, 17.1976
YIQ	176.3240, -30.3380, -77.9700

Conversions

Conversions Part 2

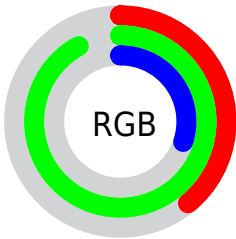
Format	Color
RYB	77, 235, 213
Decimal	6548301
CIELab	83.23, -65.32, 62.98
CIElCh	83, 90.742, 136.045
Yxy	62.6051, 0.3120, 0.5397
Android (android.graphics.Color)	4284738381 (0xFF63EB4D)
YUV	176.3240, -48.9667, -67.8131
Hunter-Lab	79.1234, -56.8146, 42.4996

Details

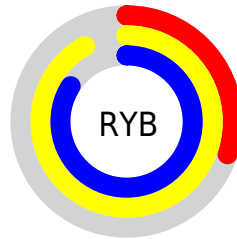
The RYB color **77, 235, 213** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **213, 77, 235**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **133, 255, 227**, and **4, 178, 175** is the 20% darker color. If you saturate the color by 10%, you get **53, 235, 209**, and if you desaturate by 10%, it is **100, 235, 216**.

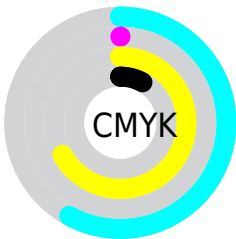
Distribution



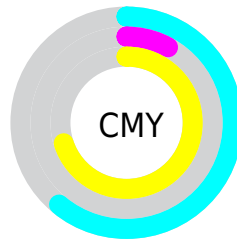
- Red (39%)
- Green (92%)
- Blue (30%)



- Red (30%)
- Yellow (92%)
- Blue (84%)



- Cyan (58%)
- Magenta (0%)
- Yellow (67%)
- Black (8%)



- Cyan (61%)
- Magenta (8%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 77, 235, 213 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 77, 235, 213 by changing the saturation by 10% instead.

 77, 235, 213	 77, 235, 213
 255, 255, 255	 47, 206, 189
 133, 255, 227	 4, 178, 175
 161, 255, 224	 0, 150, 150
 189, 255, 221	 0, 123, 123
 218, 255, 220	 0, 97, 97
 248, 255, 248	 0, 72, 72
	 0, 48, 48
	 0, 19, 19
	 0, 0, 0

■ 77, 235, 213

■ 77, 235, 213

■ 53, 235, 209

■ 100, 235, 216

■ 30, 235, 206

■ 124, 235, 220

■ 6, 235, 203

■ 147, 235, 222

■ 0, 235, 202

■ 171, 235, 226

■ 194, 235, 229

■ 218, 235, 233

■ 241, 235, 241

■ 255, 235, 255

Harmonies

Analogous

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



0, 217, 13



77, 235, 213



0, 146, 244

Triad

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



77, 235, 213



0, 121, 255



255, 119, 165

Complementary

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



77, 235, 213



213, 77, 235

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, 125, 251



77, 235, 213



110, 166, 255

Square

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



77, 235, 213



0, 124, 255



255, 162, 255



255, 192, 86

Rectangle

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



77, 235, 213



0, 129, 246



255, 162, 255



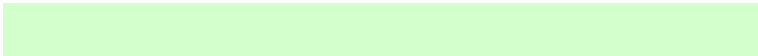
255, 116, 194

Sweetspot

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



77, 235, 213



204, 255, 248



105, 235, 77



97, 128, 124



0, 0, 0



128, 128, 128

Same Dimension

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



77, 235, 213



48, 255, 226



77, 194, 235



106, 117, 116



0, 181, 156



0, 54, 47

Inverse Universe

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



213, 77, 235



226, 48, 255



235, 77, 180



116, 106, 117



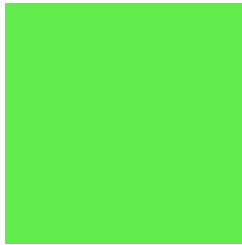
156, 0, 181



46, 0, 54

Previews

White Background



This preview shows how the RYB color 77, 235, 213 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 77, 235, 213 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](#).

R Y B 77, 235, 213 Background



This preview shows how black text looks on a background with the R Y B color 77, 235, 213.

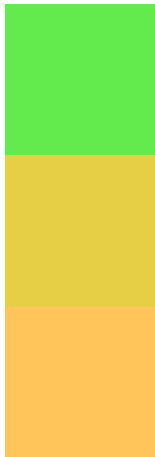


This preview shows how white text looks on a background with the R Y B color 77, 235, 213.

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


77, 235, 213

Protanopia

97, 230, 69

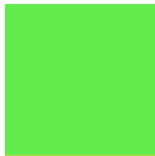
Deuteranopia

182, 255, 90



Tritanopia
133, 180, 237

Trichromacy



Original Color

77, 235, 213



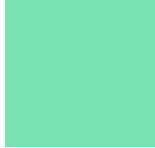
Protanomaly

72, 217, 107



Deuteranomaly

85, 210, 97



Tritanomaly

121, 188, 225

Monochromacy



Original Color

77, 235, 213



Achromatopsia

176, 176, 176



Achromatomaly

140, 197, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 77, 235, 213 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(99, 235, 77)` looks like.

```
.text, #text, p{  
    color:rgb(99, 235, 77)  
}
```

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(99, 235, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 235, 77) }
```

Border

The CSS property to change the border of an element to RYB 77, 235, 213 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(99, 235, 77) }
```

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

```
.border{ border-color:rgb(99, 235, 77) }
```

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

Here you see how a box with a 4 pixel rgb(99, 235, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 235, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 235, 77);  
box-shadow:4px 4px 4px 4px rgb(99, 235,  
77) }
```

Background

The CSS property to change the background color of an element to RYB 77, 235, 213 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 235, 77) }
```

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

```
.background{ background-color: rgb(99, 235,  
77) }
```

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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