

Converting Colors

`RYB(75, 249, 242)`

Have a look what the booklet for
RYB(75, 249, 242) contains.

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Color

RYB(75, 249, 242)

Conversions

Conversions Part 1

Format	Color
Hex	52F94B
RGB	82, 249, 75
RGB Percent	32%, 98%, 29%
CMY	0.6784, 0.0235, 0.7059
CMYK	0.67, 0.00, 0.70, 0.02
HSL	118°, 94%, 64%
HSV	118°, 70%, 98%
XYZ	38.6254, 70.0532, 18.1425
YIQ	179.2310, -43.6780, -89.5180

Conversions

Conversions Part 2

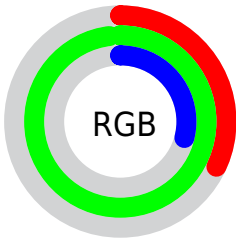
Format	Color
RYB	75, 249, 242
Decimal	5437771
CIELab	87.02, -73.71, 67.57
CIELCh	87, 99.997, 137.489
Yxy	70.0532, 0.3046, 0.5524
Android (android.graphics.Color)	4283627851 (0xFF52F94B)
YUV	179.2310, -51.3859, -85.2716
Hunter-Lab	83.6978, -64.0959, 45.7367

Details

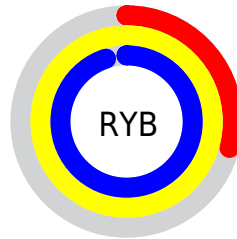
The RYB color **75, 249, 242** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed green. A complement of this color would be **242, 75, 249**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **132, 255, 237**, and **0, 191, 191** is the 20% darker color. If you saturate the color by 10%, you get **50, 249, 241**, and if you desaturate by 10%, it is **100, 249, 243**.

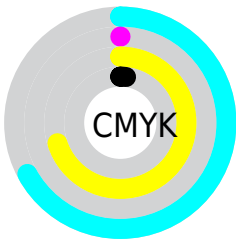
Distribution



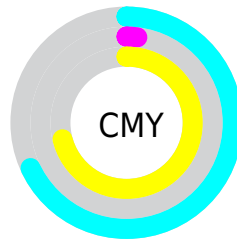
- Red (32%)
- Green (98%)
- Blue (29%)



- Red (29%)
- Yellow (98%)
- Blue (95%)



- Cyan (67%)
- Magenta (0%)
- Yellow (70%)
- Black (2%)














- Cyan (68%)
- Magenta (2%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RYB color 75, 249, 242 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 75, 249, 242 by changing the saturation by 10% instead.

 75, 249, 242	 75, 249, 242
 255, 255, 255	 35, 212, 220
 132, 255, 237	 0, 191, 191
 161, 255, 234	 0, 163, 163
 189, 255, 230	 0, 135, 135
 218, 255, 228	 0, 109, 109
 248, 255, 248	 0, 82, 82
	 0, 59, 59
	 0, 32, 32
	 0, 0, 0

 75, 249, 242

 75, 249, 242

 50, 249, 241

 100, 249, 243

 25, 249, 240

 125, 249, 244

 0, 249, 239

 150, 249, 245

 175, 249, 246

 200, 249, 248

 224, 249, 248

 249, 249, 249

 255, 249, 255

Harmonies

Analogous

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



0, 230, 22



75, 249, 242



0, 152, 255

Triad

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



75, 249, 242



0, 124, 255



255, 116, 167

Complementary

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



75, 249, 242



242, 75, 249

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, 120, 255



75, 249, 242



114, 171, 255

Square

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



75, 249, 242



0, 128, 255



255, 165, 255



255, 217, 78

Rectangle

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



75, 249, 242



0, 131, 255



255, 165, 255



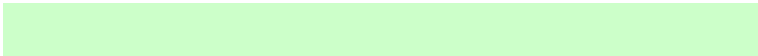
255, 111, 198

Sweetspot

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



75, 249, 242



201, 255, 252



84, 249, 75



96, 128, 127



0, 0, 0



128, 128, 128

Same Dimension

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



75, 249, 242



41, 255, 247



75, 195, 249



112, 125, 124



0, 189, 181



0, 61, 59

Inverse Universe

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



242, 75, 249



246, 41, 255



249, 75, 171



124, 112, 125



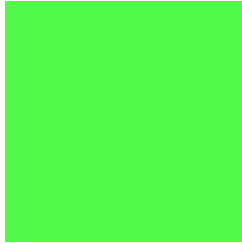
181, 0, 189



59, 0, 61

Previews

White Background



This preview shows how the RYB color 75, 249, 242 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 75, 249, 242 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 75, 249, 242 Background



This preview shows how black text looks on a background with the RYB color 75, 249, 242.

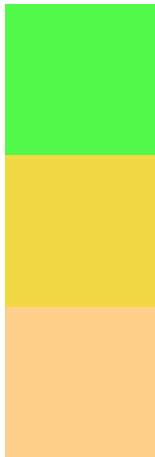


This preview shows how white text looks on a background with the RYB color 75, 249, 242.

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

75, 249, 242

Protanopia

97, 242, 66

Deuteranopia

218, 255, 139



Tritanopia
127, 184, 251

Trichromacy



Original Color

75, 249, 242



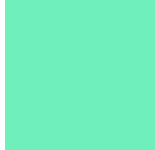
Protanomaly

69, 228, 113



Deuteranomaly

116, 223, 147



Tritanomaly

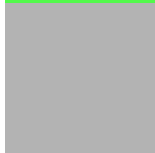
111, 191, 239

Monochromacy



Original Color

75, 249, 242



Achromatopsia

179, 179, 179



Achromatomaly

141, 204, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 249, 242 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(82, 249, 75)` looks like.

```
.text, #text, p{  
    color:rgb(82, 249, 75)  
}
```

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(82, 249, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 249, 75) }
```

Border

The CSS property to change the border of an element to RYB 75, 249, 242 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(82, 249, 75) }
```

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

```
.border{ border-color:rgb(82, 249, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 249, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 249, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 249, 75);  
box-shadow:4px 4px 4px 4px rgb(82, 249,  
75) }
```

Background

The CSS property to change the background color of an element to RGB 75, 249, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 249, 75) }
```

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

```
.background{ background-color: rgb(82, 249,  
75) }
```

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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