

Converting Colors

`RYB(50, 245, 245)`

Have a look what the booklet for
RYB(50, 245, 245) contains.

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Color

RYB(50, 245, 245)

Conversions

Conversions Part 1

Format	Color
Hex	32F532
RGB	50, 245, 50
RGB Percent	20%, 96%, 20%
CMY	0.8039, 0.0392, 0.8039
CMYK	0.80, 0.00, 0.80, 0.04
HSL	120°, 91%, 58%
HSV	120°, 80%, 96%
XYZ	34.5435, 66.2132, 13.9774
YIQ	164.4650, -53.6250, -101.9850

Conversions

Conversions Part 2

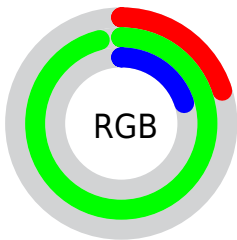
Format	Color
R _{YB}	50, 245, 245
Decimal	3339570
CIE Lab	85.11, -78.98, 73.43
CIE LCh	85, 107.840, 137.086
Yxy	66.2132, 0.3011, 0.5771
Android (android.graphics.Color)	4281529650 (0xFF32F532)
YUV	164.4650, -56.4312, -100.3858
Hunter-Lab	81.3715, -66.6240, 46.7756

Details

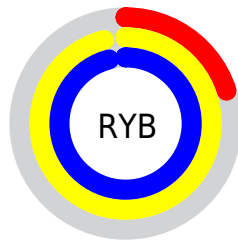
The RYB color **50, 245, 245** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **245, 50, 245**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **112, 255, 237**, and **0, 187, 187** is the 20% darker color. If you saturate the color by 10%, you get **26, 245, 245**, and if you desaturate by 10%, it is **75, 245, 245**.

Distribution



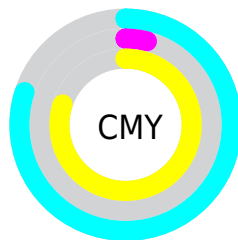
- Red (20%)
- Green (96%)
- Blue (20%)



- Red (20%)
- Yellow (96%)
- Blue (96%)



- Cyan (80%)
- Magenta (0%)
- Yellow (80%)
- Black (4%)



















- Cyan (80%)
- Magenta (4%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RYB color 50, 245, 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 50, 245, 245 by changing the saturation by 10% instead.

 50, 245, 245	 50, 245, 245
255, 255, 255	 0, 216, 216
 112, 255, 237	 0, 187, 187
 141, 255, 232	 0, 159, 159
 170, 255, 229	 0, 131, 131
 199, 255, 226	 0, 104, 104
 229, 255, 229	 0, 78, 78
	 0, 53, 53
	 0, 26, 26
	 0, 0, 0

 50, 245, 245

 50, 245, 245

 26, 245, 245

 75, 245, 245

 1, 245, 245

 99, 245, 245

 0, 245, 245

 124, 245, 245

 148, 245, 245

 173, 245, 245

 197, 245, 245

 222, 245, 245

 246, 245, 246

 255, 245, 255

Harmonies

Analogous

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



0, 226, 25



50, 245, 245



0, 155, 254

Triad

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



50, 245, 245



0, 123, 255



255, 91, 159

Complementary

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



50, 245, 245



245, 50, 245

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, 97, 255



50, 245, 245



64, 145, 255

Square

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



50, 245, 245



0, 127, 255



255, 154, 255



255, 205, 60

Rectangle

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



50, 245, 245



0, 133, 255



255, 154, 255



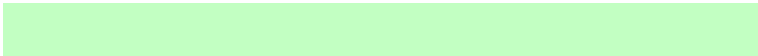
255, 83, 193

Sweetspot

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



50, 245, 245



194, 255, 255



50, 245, 50



91, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



50, 245, 245



10, 255, 255



50, 180, 245



110, 122, 122



0, 186, 186



0, 59, 59

Inverse Universe

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



245, 50, 245



255, 10, 255



245, 50, 148



122, 110, 122



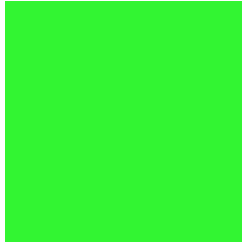
186, 0, 186



59, 0, 59

Previews

White Background



This preview shows how the RYB color 50, 245, 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 50, 245, 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](#).

RGB 50, 245, 245 Background



This preview shows how black text looks on a background with the RGB color 50, 245, 245.

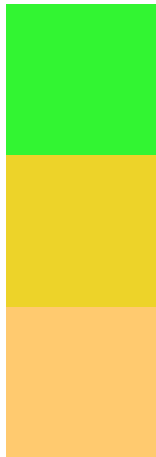


This preview shows how white text looks on a background with the RGB color 50, 245, 245.

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



Original Color
50, 245, 245

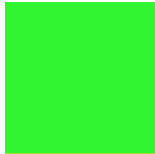
Protanopia
71, 237, 41

Deuteranopia
195, 255, 111



Tritanopia
111, 174, 247

Trichromacy



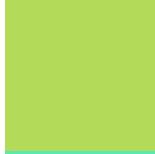
Original Color

50, 245, 245



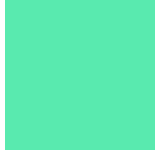
Protanomaly

44, 223, 98



Deuteranomaly

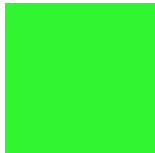
89, 218, 127



Tritanomaly

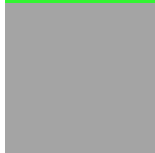
89, 180, 234

Monochromacy



Original Color

50, 245, 245



Achromatopsia

164, 164, 164



Achromatomaly

123, 193, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 245, 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(50, 245, 50)` looks like.

```
.text, #text, p{  
    color:rgb(50, 245, 50)  
}
```

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(50, 245, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 245, 50) }
```

Border

The CSS property to change the border of an element to RYB 50, 245, 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(50, 245, 50) }
```

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

```
.border{ border-color:rgb(50, 245, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 245, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 245, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 245, 50);  
box-shadow:4px 4px 4px 4px rgb(50, 245,  
50) }
```

Background

The CSS property to change the background color of an element to RGB 50, 245, 245 is called "background".

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

```
.background, #background, body{  
background: rgb(50, 245, 50) }
```

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

```
.background{ background-color: rgb(50, 245,  
50) }
```

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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