

Converting Colors

`RYB(50, 150, 249)`

Have a look what the booklet for RYB(50, 150, 249) contains.

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Color

RYB(50, 150, 249)

Conversions

Conversions Part 1

Format	Color
Hex	32F9F7
RGB	50, 249, 247
RGB Percent	20%, 98%, 97%
CMY	0.8039, 0.0235, 0.0313
CMYK	0.80, 0.00, 0.01, 0.02
HSL	179°, 94%, 59%
HSV	179°, 80%, 98%
XYZ	51.9811, 75.1455, 99.7686
YIQ	189.2710, -117.9620, -42.8100

Conversions

Conversions Part 2

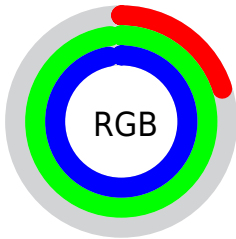
Format	Color
R _Y B	50, 150, 249
Decimal	3340791
CIE Lab	89.46, -45.68, -12.43
CIE LCh	89, 47.344, 195.217
Yxy	75.1455, 0.2291, 0.3312
Android (android.graphics.Color)	4281530871 (0xFF32F9F7)
YUV	189.2710, 28.4604, -122.1407
Hunter-Lab	86.6865, -44.6648, -7.5571

Details

The RYB color **50, 150, 249** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **249, 50, 52**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **133, 194, 255**, and **0, 96, 192** is the 20% darker color. If you saturate the color by 10%, you get **25, 138, 249**, and if you desaturate by 10%, it is **75, 163, 249**.

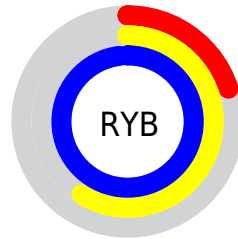
Distribution



Red (20%)

Green (98%)

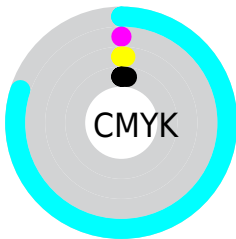
Blue (97%)



Red (20%)

Yellow (59%)

Blue (98%)

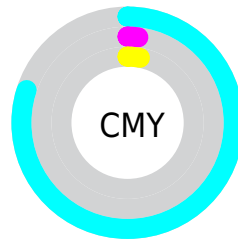


Cyan (80%)

Magenta (0%)

Yellow (1%)

Black (2%)



Cyan (80%)

















Magenta (2%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 50, 150, 249 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, 150, 249 by changing the saturation by 10% instead.

 50, 150, 249	 50, 150, 249
 255, 255, 255	 0, 110, 220
 133, 194, 255	 0, 96, 192
 166, 211, 255	 0, 82, 164
 199, 227, 255	 0, 69, 137
 231, 243, 255	 0, 56, 112
	 0, 43, 88
	 0, 31, 64
	 0, 20, 42
	 0, 1, 23

■ 50, 150, 249

■ 50, 150, 249

■ 25, 138, 249

■ 75, 163, 249

■ 0, 125, 249

■ 100, 175, 249

■ 125, 187, 249

■ 150, 200, 249

■ 174, 212, 249

■ 199, 224, 249

■ 224, 237, 249

■ 249, 249, 249

■ 255, 249, 249

Harmonies

Analogous

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



122, 199, 247



50, 150, 249



22, 136, 255

Triad

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



50, 150, 249



255, 205, 255



200, 255, 137

Complementary

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



50, 150, 249



249, 50, 52

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, 222, 163



50, 150, 249



255, 192, 249

Square

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



50, 150, 249



197, 214, 255



255, 190, 203



139, 232, 136

Rectangle

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



50, 150, 249



88, 168, 255



255, 190, 203



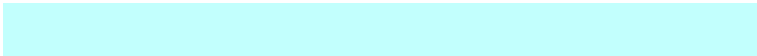
223, 255, 144

Sweetspot

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



50, 150, 249



194, 225, 255



50, 249, 246



91, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



50, 150, 249



10, 133, 255



50, 118, 249



112, 119, 125



0, 95, 189



0, 31, 61

Inverse Universe

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



249, 50, 52



255, 10, 13



249, 235, 50



125, 112, 113



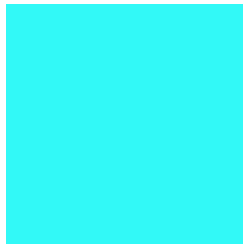
189, 0, 2



61, 0, 1

Previews

White Background



This preview shows how the RYB color 50, 150, 249 looks on a white background.

Color Contrast Check

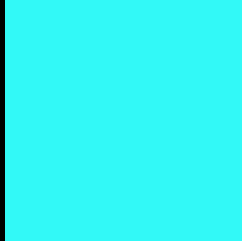
Large Text (above 18pt) WCAG AA × Fail

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, 150, 249 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](#).

RYP 50, 150, 249 Background



This preview shows how black text looks on a background with the RYP color 50, 150, 249.

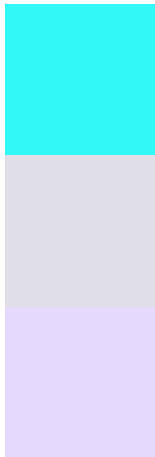


This preview shows how white text looks on a background with the RYP color 50, 150, 249.

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](#).

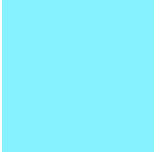
Dichromacy



Original Color
50, 150, 249

Protanopia
224, 222, 230

Deuteranopia
230, 217, 254



Tritanopia
134, 191, 255

Trichromacy



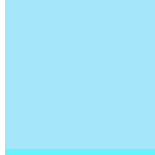
Original Color

50, 150, 249



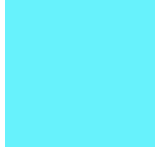
Protanomaly

161, 197, 236



Deuteranomaly

165, 202, 251



Tritanomaly

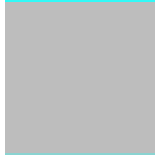
103, 175, 252

Monochromacy



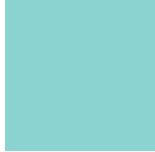
Original Color

50, 150, 249



Achromatopsia

189, 189, 189



Achromatomaly

138, 175, 211

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 150, 249 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, 249, 247)` looks like.

```
.text, #text, p{  
    color:rgb(50, 249, 247)  
}
```

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, 249, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 249, 247) }
```

Border

The CSS property to change the border of an element to RYB 50, 150, 249 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, 249, 247) }
```

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

```
.border{ border-color:rgb(50, 249, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 249, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 249, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 249, 247);  
box-shadow:4px 4px 4px 4px rgb(50, 249,  
247) }
```

Background

The CSS property to change the background color of an element to RGB 50, 150, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 249, 247) }
```

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

```
.background{ background-color: rgb(50, 249,  
247) }
```

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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