

Converting Colors

`RYB(54, 131, 234)`

Have a look what the booklet for
RYB(54, 131, 234) contains.

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Color

R_YB(54, 131, 234)

Conversions

Conversions Part 1

Format	Color
Hex	36BDEA
RGB	54, 189, 234
RGB Percent	21%, 74%, 92%
CMY	0.7882, 0.2605, 0.0824
CMYK	0.77, 0.19, 0.00, 0.08
HSL	195°, 81%, 56%
HSV	195°, 77%, 92%
XYZ	34.4764, 42.9323, 84.3116
YIQ	153.7650, -94.9050, -14.6250

Conversions

Conversions Part 2

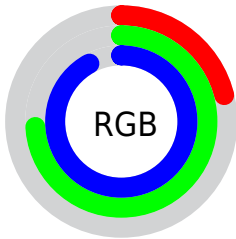
Format	Color
R _{YB}	54, 131, 234
Decimal	3587562
CIE Lab	71.51, -20.61, -32.78
CIE LCh	72, 38.719, 237.842
Yxy	42.9323, 0.2132, 0.2655
Android (android.graphics.Color)	4281777642 (0xFF36BDEA)
YUV	153.7650, 39.5559, -87.4939
Hunter-Lab	65.5227, -20.7427, -30.4257

Details

The RYB color **54, 131, 234** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **234, 114, 54**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **127, 188, 255**, and **0, 77, 178** is the 20% darker color. If you saturate the color by 10%, you get **31, 118, 234**, and if you desaturate by 10%, it is **77, 144, 234**.

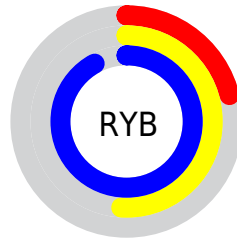
Distribution



Red (21%)

Green (74%)

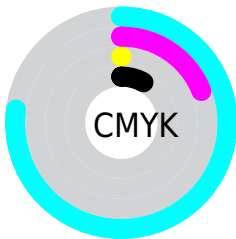
Blue (92%)



Red (21%)

Yellow (51%)

Blue (92%)

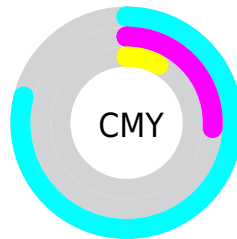


Cyan (77%)

Magenta (19%)

Yellow (0%)

Black (8%)



Cyan (79%)


















Magenta (26%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 54, 131, 234 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 54, 131, 234 by changing the saturation by 10% instead.

 54, 131, 234	 54, 131, 234
 255, 255, 255	 0, 90, 206
 127, 188, 255	 0, 77, 178
 158, 207, 255	 0, 64, 151
 190, 223, 255	 0, 51, 125
 221, 238, 255	 0, 38, 100
 252, 254, 255	 0, 26, 76
	 0, 11, 53
	 0, 2, 31
	 0, 0, 2

■ 54, 131, 234

■ 54, 131, 234

■ 31, 118, 234

■ 77, 144, 234

■ 7, 104, 234

■ 101, 158, 234

■ 0, 100, 234

■ 124, 171, 234

■ 148, 185, 234

■ 171, 198, 234

■ 194, 211, 234

■ 218, 225, 234

■ 241, 237, 234

■ 255, 247, 234

Harmonies

Analogous

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



19, 109, 207



54, 131, 234



119, 160, 245

Triad

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



54, 131, 234



240, 148, 179



111, 183, 130

Complementary

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



54, 131, 234



234, 114, 54

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.



145, 201, 104



54, 131, 234



243, 150, 144

Square

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



54, 131, 234



217, 155, 213



228, 188, 116



123, 179, 190

Rectangle

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



54, 131, 234



158, 169, 242



228, 188, 116



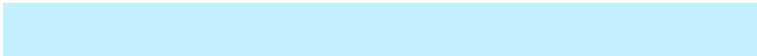
107, 180, 110

Sweetspot

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



54, 131, 234



196, 221, 255



54, 198, 234



92, 107, 128



0, 0, 0



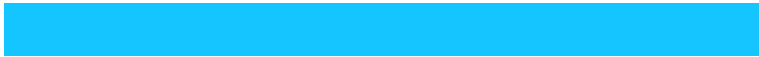
128, 128, 128

Same Dimension

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



54, 131, 234



20, 121, 255



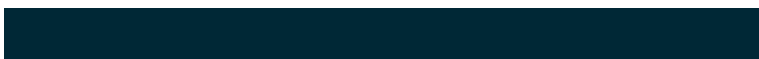
54, 90, 234



106, 111, 117



0, 77, 181



0, 23, 54

Inverse Universe

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



234, 54, 189



255, 20, 196



114, 234, 54



117, 106, 114



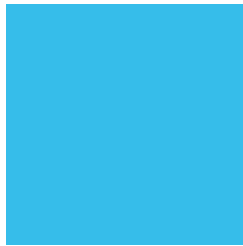
181, 0, 135



54, 0, 40

Previews

White Background



This preview shows how the RYB color 54, 131, 234 looks on a white background.

Color Contrast Check

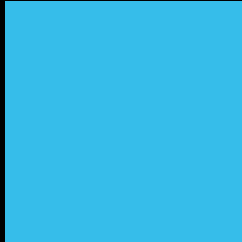
Large Text (above 18pt) WCAG AA × Fail

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 54, 131, 234 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 54, 131, 234 Background



This preview shows how black text looks on a background with the RYB color 54, 131, 234.

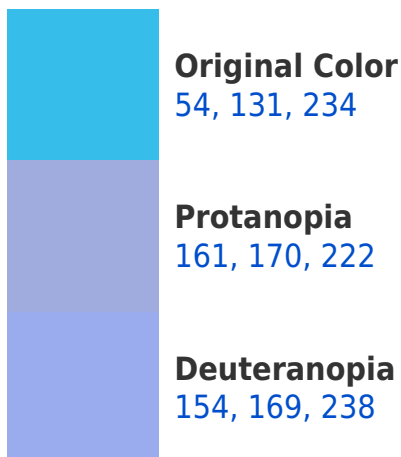


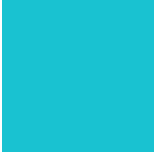
This preview shows how white text looks on a background with the RYB color 54, 131, 234.

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





Tritanopia
25, 113, 209

Trichromacy



Original Color

54, 131, 234



Protanomaly

122, 158, 226



Deuteranomaly

118, 158, 237



Tritanomaly

36, 120, 218

Monochromacy



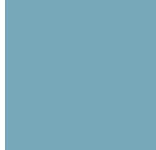
Original Color

54, 131, 234



Achromatopsia

154, 154, 154



Achromatomaly

118, 146, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 54, 131, 234 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(54, 189, 234)` looks like.

```
.text, #text, p{  
    color:rgb(54, 189, 234)  
}
```

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(54, 189, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 189, 234) }
```

Border

The CSS property to change the border of an element to RYB 54, 131, 234 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(54, 189, 234) }
```

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

```
.border{ border-color:rgb(54, 189, 234) }
```

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

Here you see how a box with a 4 pixel rgb(54, 189, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 189, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 189, 234);  
box-shadow:4px 4px 4px 4px rgb(54, 189,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 54, 131, 234 is called "background".

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

```
.background, #background, body{  
background: rgb(54, 189, 234) }
```

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

```
.background{ background-color: rgb(54, 189,  
234) }
```

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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