

Converting Colors

`RYB(50, 161, 238)`

Have a look what the booklet for RYB(50, 161, 238) contains.

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Color

R_YB(50, 161, 238)

Conversions

Conversions Part 1

Format	Color
Hex	32EEB4
RGB	50, 238, 180
RGB Percent	20%, 93%, 71%
CMY	0.8039, 0.0667, 0.2925
CMYK	0.79, 0.00, 0.24, 0.07
HSL	162°, 85%, 56%
HSV	162°, 79%, 93%
XYZ	40.1704, 65.1394, 53.8577
YIQ	175.1760, -93.4300, -57.8940

Conversions

Conversions Part 2

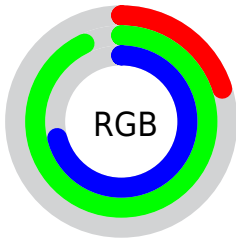
Format	Color
RYB	50, 161, 238
Decimal	3337908
CIELab	84.56, -58.20, 15.20
CIELCh	85, 60.155, 165.363
Yxy	65.1394, 0.2524, 0.4093
Android (android.graphics.Color)	4281527988 (0xFF32EEB4)
YUV	175.1760, 2.3782, -109.7794
Hunter-Lab	80.7090, -52.3978, 16.9317

Details

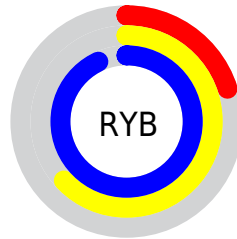
The RYB color **50, 161, 238** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **238, 50, 108**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **126, 196, 255**, and **0, 106, 181** is the 20% darker color. If you saturate the color by 10%, you get **26, 151, 238**, and if you desaturate by 10%, it is **74, 171, 238**.

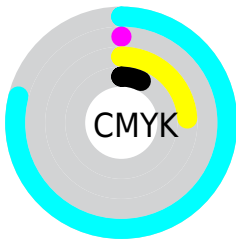
Distribution



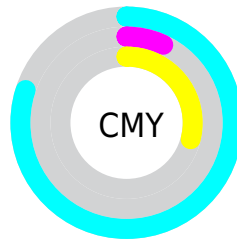
- Red (20%)
- Green (93%)
- Blue (71%)



- Red (20%)
- Yellow (63%)
- Blue (93%)



- Cyan (79%)
- Magenta (0%)
- Yellow (24%)
- Black (7%)




















- Cyan (80%)
- Magenta (7%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the RYB color 50, 161, 238 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, 161, 238 by changing the saturation by 10% instead.

 50, 161, 238	 50, 161, 238
 255, 255, 255	 0, 120, 209
 126, 196, 255	 0, 106, 181
 159, 207, 255	 0, 92, 153
 190, 223, 255	 0, 78, 126
 222, 239, 255	 0, 65, 100
 253, 254, 255	 0, 51, 74
	 0, 41, 51
	 0, 25, 25
	 0, 0, 0

■ 50, 161, 238

■ 50, 161, 238

■ 26, 151, 238

■ 74, 171, 238

■ 2, 141, 238

■ 98, 181, 238

■ 0, 141, 238

■ 121, 190, 238

■ 145, 200, 238

■ 169, 210, 238

■ 193, 220, 238

■ 217, 230, 238

■ 240, 238, 239

■ 255, 238, 246

Harmonies

Analogous

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



128, 231, 207



50, 161, 238



0, 120, 240

Triad

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



50, 161, 238



168, 195, 255



255, 202, 133

Complementary

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



50, 161, 238



238, 50, 108

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, 164, 184



50, 161, 238



253, 185, 255

Square

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



50, 161, 238



0, 120, 255



255, 167, 241



189, 255, 99

Rectangle

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



50, 161, 238



0, 123, 255



255, 167, 241



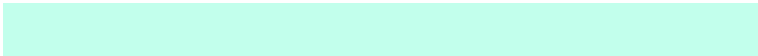
255, 177, 148

Sweetspot

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



50, 161, 238



194, 230, 255



50, 238, 178



91, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



50, 161, 238



13, 156, 255



50, 135, 238



108, 115, 120



0, 109, 184



0, 33, 56

Inverse Universe

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



238, 50, 108



255, 13, 87



238, 92, 50



120, 108, 112



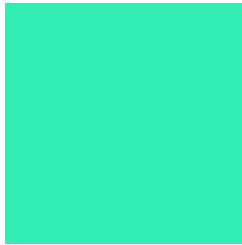
184, 0, 56



56, 0, 17

Previews

White Background



This preview shows how the RYB color 50, 161, 238 looks on a white background.

Color Contrast Check

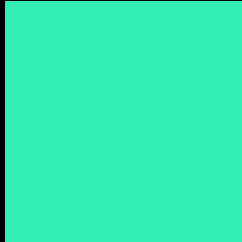
Large Text (above 18pt) WCAG AA × Fail

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, 161, 238 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, 161, 238 Background



This preview shows how black text looks on a background with the RGB color 50, 161, 238.

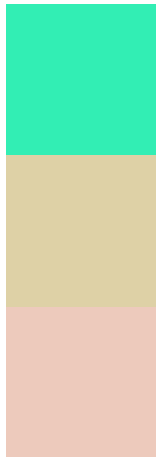


This preview shows how white text looks on a background with the RGB color 50, 161, 238.

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](#).

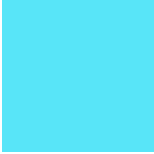
Dichromacy



Original Color
50, 161, 238

Protanopia
183, 222, 166

Deuteranopia
237, 208, 188



Tritanopia
88, 163, 248

Trichromacy



Original Color

50, 161, 238



Protanomaly

159, 210, 220



Deuteranomaly

169, 203, 215



Tritanomaly

74, 155, 232

Monochromacy



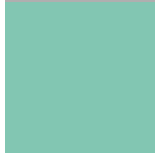
Original Color

50, 161, 238



Achromatopsia

175, 175, 175



Achromatomaly

130, 170, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 161, 238 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, 238, 180)` looks like.

```
.text, #text, p{  
    color:rgb(50, 238, 180)  
}
```

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, 238, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 238, 180) }
```

Border

The CSS property to change the border of an element to RYB 50, 161, 238 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, 238, 180) }
```

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

```
.border{ border-color:rgb(50, 238, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 238, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 238, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 238, 180);  
box-shadow:4px 4px 4px 4px rgb(50, 238,  
180) }
```

Background

The CSS property to change the background color of an element to RYB 50, 161, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 238, 180) }
```

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

```
.background{ background-color: rgb(50, 238,  
180) }
```

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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