Converting Colors

RYB(50, 166, 238)

Have a look what the booklet for RYB(50, 166, 238) contains.

Color

RYB(50, 166, 238)

Conversions

Conversions Part 1

Format	Color
Hex	32EEA7
RGB	50, 238, 167
RGB Percent	20%, 93%, 65%
CMY	0.8039, 0.0667, 0.3463
CMYK	0.79, 0.00, 0.30, 0.07
HSL	157°, 85%, 56%
HSV	157°, 79%, 93%
XYZ	38.8363, 64.6057, 46.8322
YIQ	173.6940, -89.2570, -61.9370

Conversions

Conversions Part 2

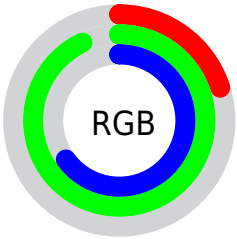
Format	Color
RYB	50, 166, 238
Decimal	3337895
CIELab	84.28, -61.22, 21.93
CIELCh	84, 65.025, 160.294
Yxy	64.6057, 0.2584, 0.4299
Android (android.graphics.Color)	4281527975 (0xFF32EEA7)
YUV	173.6940, -3.3001, -108.4796
Hunter-Lab	80.3777, -54.4146, 21.7189

Details

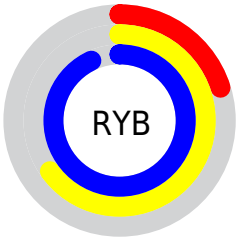
The RYB color 50, 166, 238 is a light color, and the websafe version is hex 33FFCC. The color can be described as light washed spring green. A complement of this color would be 238, 50, 121, and the grayscale version is 174, 174, 174.

A 20% lighter version of the original color is 126, 200, 255, and 0, 111, 181 is the 20% darker color. If you saturate the color by 10%, you get 26, 157, 238, and if you desaturate by 10%, it is 74, 175, 238.

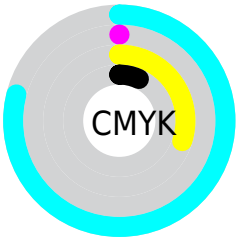
Distribution



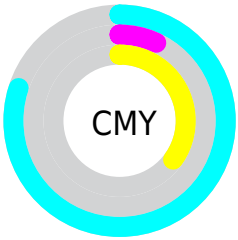
- Red (20%)
- Green (93%)
- Blue (65%)



- Red (20%)
- Yellow (65%)
- Blue (93%)



- Cyan (79%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)



- Cyan (80%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 50, 166, 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, 166, 238 by changing the saturation by 10% instead.

50, 166, 238

255, 255, 255

126, 200, 255

158, 208, 255

190, 223, 255

221, 238, 255

253, 254, 255

50, 166, 238

0, 125, 209

0, 111, 181

0, 96, 153

0, 83, 126

0, 70, 100

0, 58, 74

0, 51, 51

0, 24, 24

0, 0, 0

50, 166, 238

26, 157, 238

2, 147, 238

0, 147, 238

50, 166, 238

74, 175, 238

98, 184, 238

121, 193, 238

145, 202, 238

169, 212, 238

193, 221, 238

217, 230, 238

240, 238, 239

255, 238, 248

Harmonies

Analogous

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

112, 229, 183

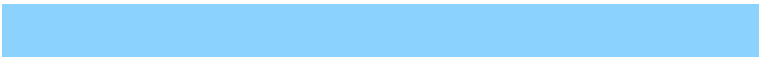
50, 166, 238

0, 123, 241

Triad

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

50, 166, 238



139, 183, 255

255, 185, 134

Complementary

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

50, 166, 238

238, 50, 121

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, 157, 191

50, 166, 238

242, 185, 255

Square

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

50, 166, 238

0, 120, 255

255, 163, 253

196, 255, 93

Rectangle

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

50, 166, 238

0, 124, 255

255, 163, 253

255, 166, 152

Sweetspot

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

50, 166, 238

194, 232, 255

50, 238, 166

91, 114, 128

0, 0, 0

128, 128, 128

Same Dimension

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

50, 166, 238

13, 162, 255

50, 138, 238

108, 116, 120

0, 114, 184

0, 34, 56

Inverse Universe

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

238, 50, 121

255, 13, 105

238, 75, 50

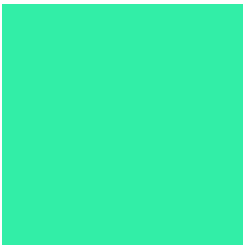
120, 108, 112

184, 0, 70

56, 0, 21

Previews

White Background

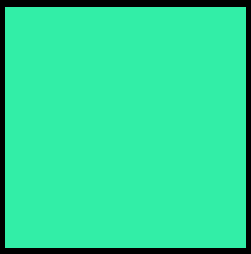


This preview shows how the RYB color 50, 166, 238 looks on a white background.

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, 166, 238 looks on a black background.

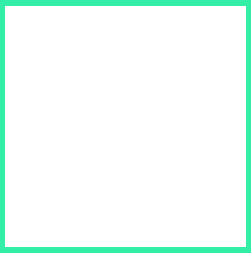
Color Contrast Check

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.

RYB 50, 166, 238 Background

This preview shows how black text looks on a background with the RYB color 50, 166, 238.



This preview shows how white text looks on a background with the RYB color 50, 166, 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

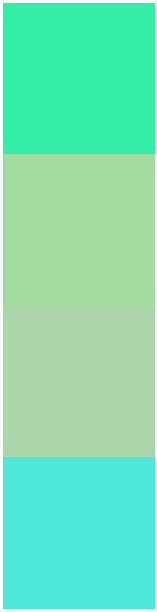
Original Color
50, 166, 238

Protanopia
174, 224, 153

Deuteranopia
240, 216, 175

Tritanopia
92, 164, 246

Trichromacy



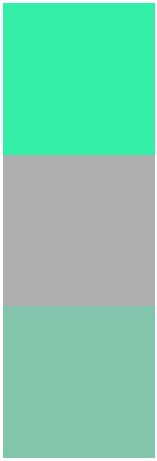
Original Color
50, 166, 238

Protanomaly
158, 219, 216

Deuteranomaly
171, 213, 214

Tritanomaly
77, 158, 232

Monochromacy



Original Color
50, 166, 238

Achromatopsia
174, 174, 174

Achromatomaly
129, 171, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 166, 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, 167) looks like.

```
.text, #text, p{
    color:rgb(50, 238, 167)
}
```

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, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 238, 167) }
```

Border

The CSS property to change the border of an element to RYB 50, 166, 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, 167) }
```

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

```
.border{ border-color:rgb(50, 238, 167) }
```

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, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(50, 238, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(50, 238, 167); box-shadow:4px 4px 4px 4px rgb(50, 238, 167) }
```

Background

The CSS property to change the background color of an element to RYB 50, 166, 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, 167) }
```

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

```
.background{ background-color:rgb(50, 238,
167) }
```

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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