Converting Colors

RYB(65, 221, 236)

Have a look what the booklet for RYB(65, 221, 236) contains.

Color

RYB(65, 221, 236)

Conversions

Conversions Part 1

Format	Color
Hex	41EC51
RGB	65, 236, 81
RGB Percent	25%, 93%, 32%
CMY	0.7451, 0.0745, 0.6806
CMYK	0.72, 0.00, 0.65, 0.07
HSL	126°, 82%, 59%
HSV	126°, 72%, 93%
XYZ	33.6773, 61.7155, 18.0091
YIQ	167.2010, -52.1610, -84.4570

Conversions

Conversions Part 2

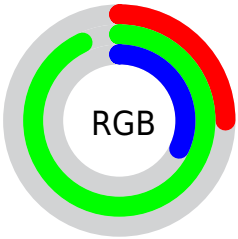
Format	Color
RYB	65, 221, 236
Decimal	4320337
CIELab	82.76, -71.89, 60.49
CIELCh	83, 93.955, 139.919
Yxy	61.7155, 0.2970, 0.5442
Android (android.graphics.Color)	4282510417 (0xFF41EC51)
YUV	167.2010, -42.4971, -89.6303
Hunter-Lab	78.5592, -60.9580, 41.3996

Details

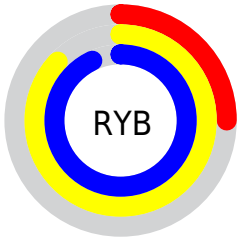
The RYB color 65, 221, 236 is a dark color, and the websafe version is hex 66FF66. The color can be described as dark muted green. A complement of this color would be 236, 65, 220, and the grayscale version is 168, 168, 168.

A 20% lighter version of the original color is 136, 255, 255, and 0, 164, 179 is the 20% darker color. If you saturate the color by 10%, you get 41, 219, 236, and if you desaturate by 10%, it is 89, 223, 236.

Distribution

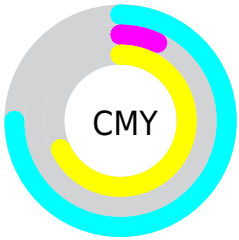


- Red (25%)
- Green (93%)
- Blue (32%)



- Red (25%)
- Yellow (87%)
- Blue (93%)

- Cyan (72%)
- Magenta (0%)
- Yellow (65%)
- Black (7%)



- Cyan (75%)
- Magenta (7%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the RYB color 65, 221, 236 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 65, 221, 236 by changing the saturation by 10% instead.

65, 221, 236

255, 255, 255

136, 254, 255

165, 255, 252

193, 255, 249

222, 255, 247

252, 255, 252

65, 221, 236

0, 165, 207

0, 163, 179

0, 151, 151

0, 124, 124

0, 97, 97

0, 71, 71

0, 47, 47

0, 17, 17

0, 0, 0

65, 221, 236

41, 219, 236

18, 217, 236

0, 215, 236

65, 221, 236

89, 223, 236

112, 225, 236

136, 228, 236

159, 229, 236

183, 231, 236

207, 234, 236

230, 235, 236

254, 236, 252

255, 236, 255

Harmonies

Analogous

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

0, 219, 29

65, 221, 236

0, 143, 244

Triad

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

65, 221, 236

0, 120, 255

255, 115, 152

Complementary

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

65, 221, 236

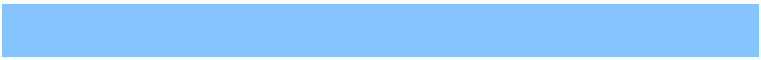
236, 65, 220

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, 114, 240

65, 221, 236



134, 175, 255

Square

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

65, 221, 236

0, 124, 255

255, 153, 255

255, 222, 69

Rectangle

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

65, 221, 236

0, 126, 246

255, 153, 255

255, 109, 181

Sweetspot

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

65, 221, 236

199, 250, 255

65, 236, 79

94, 124, 128

0, 0, 0

128, 128, 128

Same Dimension

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

65, 221, 236

33, 236, 255

65, 173, 236

106, 116, 117

0, 165, 181

0, 49, 54

Inverse Universe

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

236, 65, 220

255, 33, 234

236, 65, 136

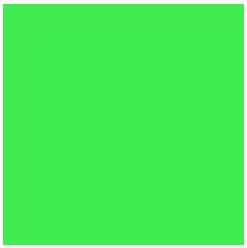
117, 106, 116

181, 0, 164

54, 0, 48

Previews

White Background

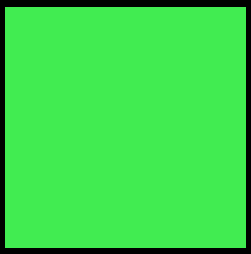


This preview shows how the RYB color 65, 221, 236 looks on a white background.

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



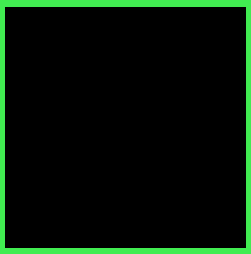
This preview shows how the RYB color 65, 221, 236 looks on a black background.

Color Contrast Check

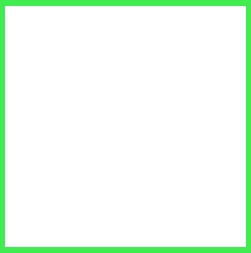
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 65, 221, 236 Background



This preview shows how black text looks on a background with the RYB color 65, 221, 236.



This preview shows how white text looks on a background with the RYB color 65, 221, 236.

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
65, 221, 236

Protanopia
101, 228, 73

Deuteranopia
187, 252, 95

Tritanopia
112, 171, 239

Trichromacy

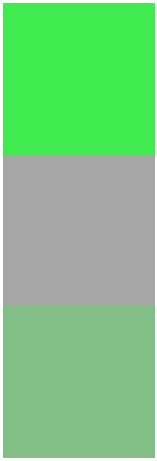
Original Color
65, 221, 236

Protanomaly
76, 216, 123

Deuteranomaly
90, 209, 115

Tritanomaly
95, 174, 226

Monochromacy



Original Color
65, 221, 236

Achromatopsia
167, 167, 167

Achromatomaly
130, 187, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 65, 221, 236 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(65, 236, 81) looks like.

```
.text, #text, p{
    color:rgb(65, 236, 81)
}
```

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(65, 236, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 236, 81) }
```

Border

The CSS property to change the border of an element to RYB 65, 221, 236 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(65, 236, 81) }
```

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

```
.border{ border-color:rgb(65, 236, 81) }
```

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

Here you see how a box with a 4 pixel rgb(65, 236, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(65, 236, 81); -webkit-box-shadow:4px 4px 4px 4px rgb(65, 236, 81); box-shadow:4px 4px 4px 4px rgb(65, 236, 81) }
```

Background

The CSS property to change the background color of an element to RYB 65, 221, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(65, 236, 81) }
```

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

```
.background{ background-color:rgb(65, 236,
81) }
```

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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