

Converting Colors

`RYB(75, 181, 238)`

Have a look what the booklet for
RYB(75, 181, 238) contains.

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Color

R_YB(75, 181, 238)

Conversions

Conversions Part 1

Format	Color
Hex	4BEEA3
RGB	75, 238, 163
RGB Percent	29%, 93%, 64%
CMY	0.7059, 0.0667, 0.3622
CMYK	0.68, 0.00, 0.32, 0.07
HSL	152°, 83%, 61%
HSV	152°, 68%, 93%
XYZ	40.0558, 65.2768, 44.9751
YIQ	180.7130, -73.0730, -57.8810

Conversions

Conversions Part 2

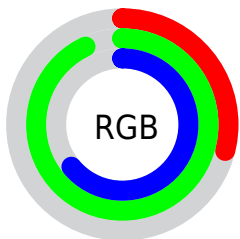
Format	Color
RYB	75, 181, 238
Decimal	4976291
CIELab	84.63, -58.86, 24.55
CIELCh	85, 63.777, 157.365
Yxy	65.2768, 0.2665, 0.4343
Android (android.graphics.Color)	4283166371 (0xFF4BEEA3)
YUV	180.7130, -8.7325, -92.7103
Hunter-Lab	80.7940, -52.8934, 23.5512

Details

The RYB color **75, 181, 238** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **238, 75, 150**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **141, 209, 255**, and **0, 112, 181** is the 20% darker color. If you saturate the color by 10%, you get **51, 172, 238**, and if you desaturate by 10%, it is **99, 189, 238**.

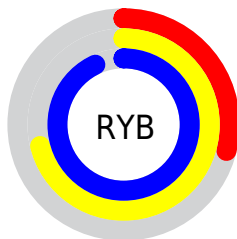
Distribution



Red (29%)

Green (93%)

Blue (64%)



Red (29%)

Yellow (71%)

Blue (93%)

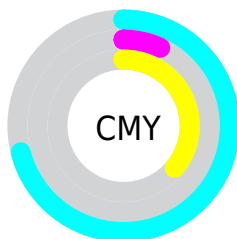


Cyan (68%)

Magenta (0%)

Yellow (32%)

Black (7%)



Cyan (71%)

















Magenta (7%)


Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the RYB color 75, 181, 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 75, 181, 238 by changing the saturation by 10% instead.


 75, 181, 238	 75, 181, 238
 255, 255, 255	 28, 141, 209
 141, 209, 255	 0, 112, 181
 172, 216, 255	 0, 98, 153
 203, 229, 255	 0, 84, 126
 234, 245, 255	 0, 72, 100
	 0, 61, 75
	 0, 51, 51
	 0, 25, 25
	 0, 0, 0

 75, 181, 238

 75, 181, 238

 51, 172, 238

 99, 189, 238

 27, 164, 238

 123, 198, 238

 4, 156, 238

 146, 206, 238

 0, 155, 238

 170, 214, 238

 194, 222, 238

 218, 231, 238

 242, 238, 240

 255, 238, 251

 255, 238, 255

Harmonies

Analogous

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



111, 229, 172



75, 181, 238



0, 125, 241

Triad

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



75, 181, 238



130, 180, 255



255, 180, 141

Complementary

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



75, 181, 238



238, 75, 150

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, 159, 199



75, 181, 238



235, 189, 255

Square

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



75, 181, 238



0, 121, 255



255, 167, 255



208, 255, 99

Rectangle

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



75, 181, 238



0, 124, 255



255, 167, 255



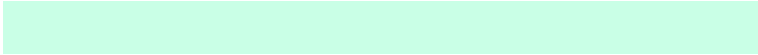
255, 164, 159

Sweetspot

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



75, 181, 238



201, 236, 255



75, 238, 162



96, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



75, 181, 238



46, 182, 255



75, 155, 238



108, 116, 120



0, 120, 184



0, 36, 56

Inverse Universe

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



238, 75, 150



255, 46, 143



238, 80, 75



120, 108, 113



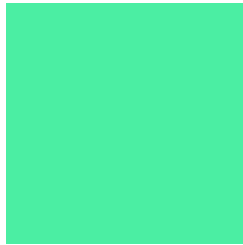
184, 0, 85



56, 0, 26

Previews

White Background



This preview shows how the RYB color 75, 181, 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 75, 181, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

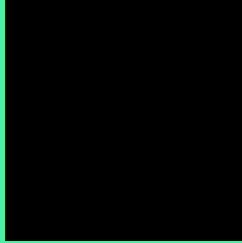
Any Text WCAG AA ✓ Pass

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 75, 181, 238 Background



This preview shows how black text looks on a background with the RYB color 75, 181, 238.

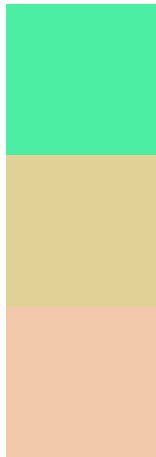


This preview shows how white text looks on a background with the RYB color 75, 181, 238.

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
75, 181, 238

Protanopia
170, 225, 150

Deuteranopia
243, 222, 171



Tritanopia
107, 172, 246

Trichromacy



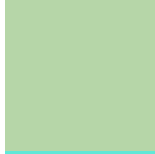
Original Color

75, 181, 238



Protanomaly

155, 220, 205



Deuteranomaly

168, 214, 200



Tritanomaly

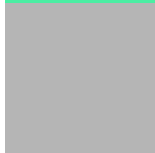
95, 168, 232

Monochromacy



Original Color

75, 181, 238



Achromatopsia

181, 181, 181



Achromatomaly

142, 181, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 181, 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(75, 238, 163)` looks like.

```
.text, #text, p{  
    color:rgb(75, 238, 163)  
}
```

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(75, 238, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 238, 163) }
```

Border

The CSS property to change the border of an element to RYB 75, 181, 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(75, 238, 163) }
```

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

```
.border{ border-color:rgb(75, 238, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 238, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 238, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 238, 163);  
box-shadow:4px 4px 4px 4px rgb(75, 238,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 75, 181, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 238, 163) }
```

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

```
.background{ background-color: rgb(75, 238,  
163) }
```

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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