

Converting Colors

`RYB(77, 179, 242)`

Have a look what the booklet for
RYB(77, 179, 242) contains.

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Color

R_YB(77, 179, 242)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 4DF2B3 |
| RGB | 77, 242, 179 |
| RGB Percent | 30%, 95%, 70% |
| CMY | 0.6980, 0.0510, 0.2984 |
| CMYK | 0.68, 0.00, 0.26, 0.05 |
| HSL | 157°, 86%, 63% |
| HSV | 157°, 68%, 95% |
| XYZ | 42.9405, 68.3331, 53.5275 |
| YIQ | 185.4830, -78.1170, -54.5730 |

Conversions

Conversions Part 2

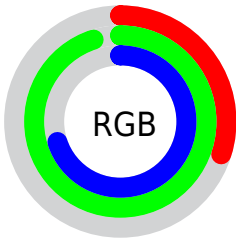
| Format | Color |
|-------------------------------------|---|
| RYB | 77, 179, 242 |
| Decimal | 5108403 |
| CIELab | 86.17, -56.74, 18.31 |
| CIELCh | 86, 59.622, 162.112 |
| Yxy | 68.3331, 0.2606, 0.4146 |
| Android (android.graphics.Color) | 4283298483 (0xFF4DF2B3) |
| YUV | 185.4830, -3.1961, -95.1396 |
| Hunter-Lab | 82.6639, -51.9384, 19.4726 |

Details

The RYB color **77, 179, 242** 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 **242, 77, 140**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **144, 205, 255**, and **0, 110, 185** is the 20% darker color. If you saturate the color by 10%, you get **53, 170, 242**, and if you desaturate by 10%, it is **101, 188, 242**.

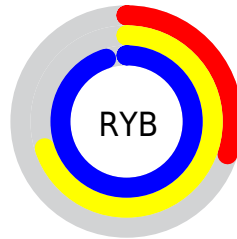
Distribution



Red (30%)

Green (95%)

Blue (70%)



Red (30%)

Yellow (70%)

Blue (95%)

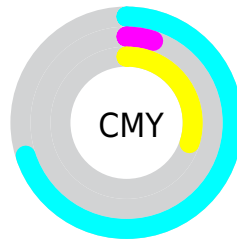


Cyan (68%)

Magenta (0%)

Yellow (26%)

Black (5%)



Cyan (70%)

















Magenta (5%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the RYB color 77, 179, 242 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 77, 179, 242 by changing the saturation by 10% instead.


| | |
|---|--|
|  77, 179, 242 |  77, 179, 242 |
|  255, 255, 255 |  31, 140, 213 |
|  144, 205, 255 |  0, 110, 185 |
|  175, 215, 255 |  0, 96, 157 |
|  206, 231, 255 |  0, 82, 130 |
|  237, 246, 255 |  0, 68, 104 |
| |  0, 55, 78 |
| |  0, 46, 54 |
| |  0, 30, 30 |
| |  0, 0, 0 |

 77, 179, 242

 77, 179, 242

 53, 170, 242

 101, 188, 242

 29, 161, 242

 125, 197, 242

 4, 151, 242

 150, 207, 242

 0, 150, 242

 174, 216, 242

 198, 225, 242

 222, 235, 242

 246, 242, 244

 255, 242, 253

 255, 242, 255

Harmonies

Analogous

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



129, 234, 198



77, 179, 242



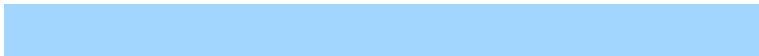
0, 124, 244

Triad

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



77, 179, 242



163, 196, 255



255, 199, 142

Complementary

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



77, 179, 242



242, 77, 140

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, 168, 195



77, 179, 242



250, 192, 255

Square

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



77, 179, 242



0, 121, 255



255, 173, 252



195, 255, 107

Rectangle

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



77, 179, 242



0, 124, 255



255, 173, 252



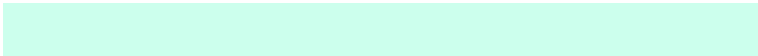
255, 178, 159

Sweetspot

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



77, 179, 242



204, 235, 255



77, 242, 179



97, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



77, 179, 242



46, 175, 255



77, 154, 242



108, 116, 120



0, 114, 184



0, 34, 56

Inverse Universe

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



242, 77, 140



255, 46, 126



242, 98, 77



120, 108, 112



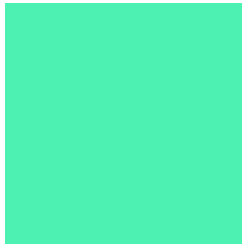
184, 0, 70



56, 0, 21

Previews

White Background



This preview shows how the RYB color 77, 179, 242 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 77, 179, 242 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 77, 179, 242 Background



This preview shows how black text looks on a background with the RYB color 77, 179, 242.

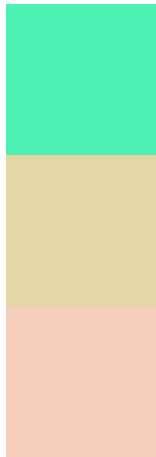


This preview shows how white text looks on a background with the RYB color 77, 179, 242.

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](#).

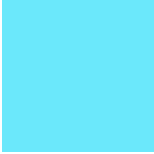
Dichromacy



Original Color
77, 179, 242

Protanopia
185, 228, 165

Deuteranopia
244, 216, 187



Tritanopia
107, 174, 251

Trichromacy



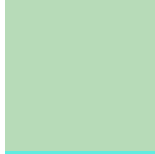
Original Color

77, 179, 242



Protanomaly

170, 224, 221



Deuteranomaly

183, 218, 219



Tritanomaly

96, 169, 236

Monochromacy



Original Color

77, 179, 242



Achromatopsia

185, 185, 185



Achromatomaly

146, 183, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 77, 179, 242 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(77, 242, 179)` looks like.

```
.text, #text, p{  
    color:rgb(77, 242, 179)  
}
```

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(77, 242, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 242, 179) }
```

Border

The CSS property to change the border of an element to RYB 77, 179, 242 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(77, 242, 179) }
```

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

```
.border{ border-color:rgb(77, 242, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 242, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 242, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 242, 179);  
box-shadow:4px 4px 4px 4px rgb(77, 242,  
179) }
```

Background

The CSS property to change the background color of an element to RYB 77, 179, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 242, 179) }
```

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

```
.background{ background-color: rgb(77, 242,  
179) }
```

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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