

Converting Colors

`RYB(73, 211, 230)`

Have a look what the booklet for
RYB(73, 211, 230) contains.

RYB(73, 211, 230)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(73, 211, 230)$

Conversions

Conversions Part 1

Format	Color
Hex	49E65F
RGB	73, 230, 95
RGB Percent	29%, 90%, 37%
CMY	0.7137, 0.0980, 0.6290
CMYK	0.68, 0.00, 0.59, 0.10
HSL	128°, 76%, 59%
HSV	128°, 68%, 90%
XYZ	33.0926, 58.8294, 20.3462
YIQ	167.6670, -50.2370, -75.2690

Conversions

Conversions Part 2

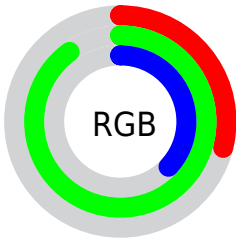
Format	Color
RYB	73, 211, 230
Decimal	4843103
CIELab	81.20, -67.21, 53.24
CIELCh	81, 85.739, 141.614
Yxy	58.8294, 0.2948, 0.5240
Android (android.graphics.Color)	4283033183 (0xFF49E65F)
YUV	167.6670, -35.8248, -83.0230
Hunter-Lab	76.7003, -57.2111, 37.9624

Details

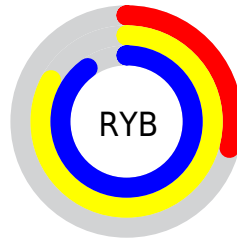
The RYB color **73, 211, 230** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **230, 73, 208**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **140, 247, 255**, and **0, 141, 173** is the 20% darker color. If you saturate the color by 10%, you get **50, 208, 230**, and if you desaturate by 10%, it is **96, 214, 230**.

Distribution



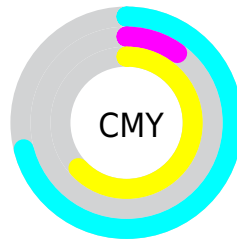
- Red (29%)
- Green (90%)
- Blue (37%)



- Red (29%)
- Yellow (83%)
- Blue (90%)



- Cyan (68%)
- Magenta (0%)
- Yellow (59%)
- Black (10%)



- Cyan (71%)
- Magenta (10%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the RYB color 73, 211, 230 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 73, 211, 230 by changing the saturation by 10% instead.

 73, 211, 230

255, 255, 255


 140, 247, 255

 171, 249, 255

 201, 251, 255


 232, 253, 255


 73, 211, 230

 25, 166, 201

 0, 141, 173

 0, 144, 145

 0, 119, 119

 0, 92, 92

 0, 67, 67

 0, 43, 43

 0, 8, 8

 0, 0, 0

 73, 211, 230

 73, 211, 230

 50, 208, 230

 96, 214, 230

 27, 205, 230

 119, 217, 230


 4, 203, 230

 142, 219, 230

 0, 202, 230

 165, 222, 230

 188, 225, 230

 211, 227, 230

 234, 230, 233

 255, 230, 253

 255, 230, 255

Harmonies

Analogous

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



7, 215, 38



73, 211, 230



0, 136, 237

Triad

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



73, 211, 230



0, 118, 255



255, 125, 148

Complementary

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



73, 211, 230



230, 73, 208

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, 122, 228



73, 211, 230



154, 181, 255

Square

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



73, 211, 230



0, 122, 255



255, 153, 255



255, 222, 75

Rectangle

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



73, 211, 230



0, 121, 239



255, 153, 255



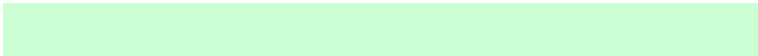
255, 119, 174

Sweetspot

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



73, 211, 230



204, 249, 255



73, 230, 94



97, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



73, 211, 230



46, 230, 255



73, 169, 230



103, 113, 115



0, 157, 179



0, 45, 51

Inverse Universe

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



230, 73, 208



255, 46, 226



230, 73, 131



115, 103, 113



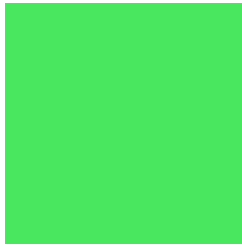
179, 0, 154



51, 0, 44

Previews

White Background



This preview shows how the RYB color 73, 211, 230 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 73, 211, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

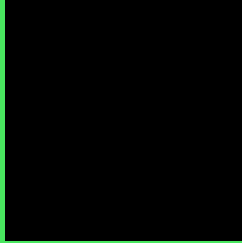
Any Text WCAG AA ✓ Pass

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 73, 211, 230 Background



This preview shows how black text looks on a background with the RYB color 73, 211, 230.

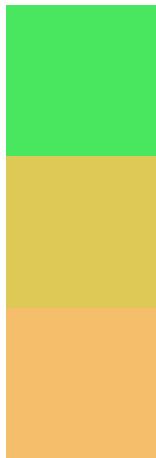


This preview shows how white text looks on a background with the RYB color 73, 211, 230.

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
73, 211, 230

Protanopia
112, 222, 86

Deuteranopia
197, 245, 106



Tritanopia
113, 168, 233

Trichromacy



Original Color

73, 211, 230



Protanomaly

89, 211, 132



Deuteranomaly

102, 205, 125



Tritanomaly

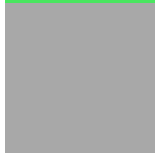
98, 171, 221

Monochromacy



Original Color

73, 211, 230



Achromatopsia

168, 168, 168



Achromatomaly

133, 184, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 73, 211, 230 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(73, 230, 95)` looks like.

```
.text, #text, p{  
    color:rgb(73, 230, 95)  
}
```

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(73, 230, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 230, 95) }
```

Border

The CSS property to change the border of an element to RYB 73, 211, 230 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(73, 230, 95) }
```

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

```
.border{ border-color:rgb(73, 230, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 230, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 230, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 230, 95);  
box-shadow:4px 4px 4px 4px rgb(73, 230,  
95) }
```

Background

The CSS property to change the background color of an element to RGB 73, 211, 230 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 230, 95) }
```

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

```
.background{ background-color: rgb(73, 230,  
95) }
```

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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