Converting Colors

RYB(70, 183, 220)

Have a look what the booklet for RYB(70, 183, 220) contains.

Color

RYB(70, 183, 220)

Conversions

Conversions Part 1

Format	Color
Hex	46DC77
RGB	70, 220, 119
RGB Percent	27%, 86%, 47%
CMY	0.7255, 0.1373, 0.5329
CMYK	0.68, 0.00, 0.46, 0.14
HSL	140°, 68%, 57%
HSV	140°, 68%, 86%
XYZ	31.4557, 53.8232, 26.2200
YIQ	163.6360, -56.9790, -63.2110

Conversions

Conversions Part 2

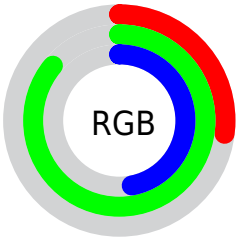
Format	Color
RYB	70, 183, 220
Decimal	4643959
CIELab	78.36, -60.87, 38.26
CIELCh	78, 71.891, 147.848
Yxy	53.8232, 0.2821, 0.4827
Android (android.graphics.Color)	4282834039 (0xFF46DC77)
YUV	163.6360, -22.0055, -82.1188
Hunter-Lab	73.3643, -51.8538, 30.1650

Details

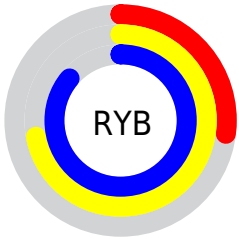
The RYB color 70, 183, 220 is a dark color, and the websafe version is hex 33CC66. The color can be described as middle muted spring green. A complement of this color would be 220, 70, 171, and the grayscale version is 164, 164, 164.

A 20% lighter version of the original color is 135, 226, 255, and 0, 116, 164 is the 20% darker color. If you saturate the color by 10%, you get 48, 178, 220, and if you desaturate by 10%, it is 92, 188, 220.

Distribution

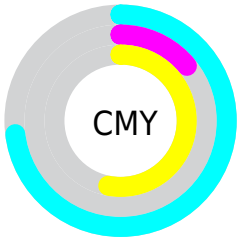


- Red (27%)
- Green (86%)
- Blue (47%)



- Red (27%)
- Yellow (72%)
- Blue (86%)

- Cyan (68%)
- Magenta (0%)
- Yellow (46%)
- Black (14%)



- Cyan (73%)
- Magenta (14%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 70, 183, 220 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 70, 183, 220 by changing the saturation by 10% instead.

70, 183, 220

255, 255, 255

135, 226, 255

165, 230, 255

196, 234, 255

226, 241, 255

70, 183, 220

70, 183, 220

24, 142, 191

0, 116, 164

0, 103, 136

0, 95, 110

0, 84, 84

0, 59, 59

0, 36, 36

0, 0, 0

70, 183, 220

70, 183, 220

48, 178, 220

26, 172, 220

4, 167, 220

0, 166, 220

92, 188, 220

114, 194, 220

136, 199, 220

158, 205, 220

180, 210, 220

202, 216, 220

224, 220, 223

246, 220, 237

255, 220, 252

Harmonies

Analogous

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

65, 208, 106

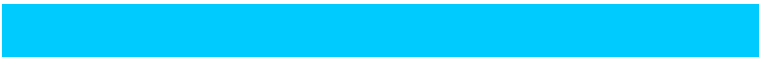
70, 183, 220

0, 123, 225

Triad

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

70, 183, 220



0, 113, 255

255, 138, 135

Complementary

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

70, 183, 220

220, 70, 171

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, 131, 202

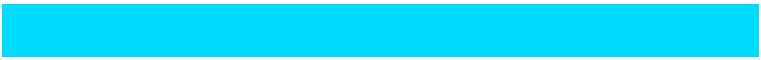
70, 183, 220

186, 178, 255

Square

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

70, 183, 220



0, 118, 255

255, 149, 255

255, 238, 80

Rectangle

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

70, 183, 220

0, 115, 233

255, 149, 255

255, 133, 157

Sweetspot

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

70, 183, 220

204, 242, 255

70, 220, 117

97, 120, 128

0, 0, 0

128, 128, 128

Same Dimension

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

70, 183, 220

46, 204, 255

70, 152, 220

99, 108, 110

0, 130, 173

0, 35, 46

Inverse Universe

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

220, 70, 171

255, 46, 187

220, 70, 98

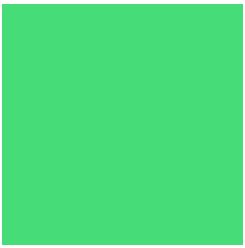
110, 99, 106

173, 0, 117

46, 0, 31

Previews

White Background

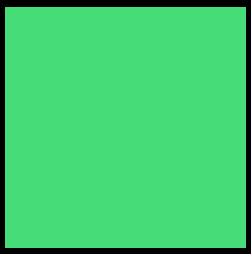


This preview shows how the RYB color 70, 183, 220 looks on a white background.

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 70, 183, 220 looks on a black background.

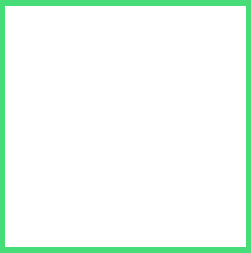
Color Contrast Check

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 70, 183, 220 Background

This preview shows how black text looks on a background with the RYB color 70, 183, 220.



This preview shows how white text looks on a background with the RYB color 70, 183, 220.

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
70, 183, 220

Protanopia
132, 211, 109

Deuteranopia
212, 230, 128

Tritanopia
105, 160, 225

Trichromacy

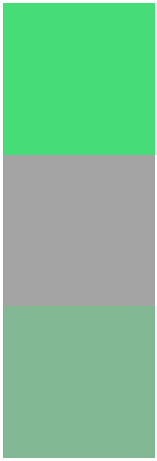
Original Color
70, 183, 220

Protanomaly
113, 202, 155

Deuteranomaly
125, 197, 150

Tritanomaly
92, 159, 212

Monochromacy



Original Color
70, 183, 220

Achromatopsia
164, 164, 164

Achromatomaly
130, 171, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 70, 183, 220 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(70, 220, 119) looks like.

```
.text, #text, p{
    color:rgb(70, 220, 119)
}
```

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(70, 220, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 220, 119) }
```

Border

The CSS property to change the border of an element to RYB 70, 183, 220 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(70, 220, 119) }
```

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

```
.border{ border-color:rgb(70, 220, 119) }
```

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

Here you see how a box with a 4 pixel rgb(70, 220, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(70, 220, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(70, 220, 119); box-shadow:4px 4px 4px 4px rgb(70, 220, 119) }
```

Background

The CSS property to change the background color of an element to RYB 70, 183, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(70, 220, 119) }
```

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

```
.background{ background-color:rgb(70, 220,
119) }
```

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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