Converting Colors

RYB(100, 170, 238)

Have a look what the booklet for RYB(100, 170, 238) contains.

Color

RYB(100, 170, 238)

Conversions

Conversions Part 1

Format	Color
Hex	64EEEA
RGB	100, 238, 234
RGB Percent	39%, 93%, 92%
CMY	0.6078, 0.0667, 0.0821
CMYK	0.58, 0.00, 0.02, 0.07
HSL	178°, 80%, 66%
HSV	178°, 58%, 93%
XYZ	50.6896, 69.8022, 88.6865
YIQ	196.2820, -80.9640, -30.5000

Conversions

Conversions Part 2

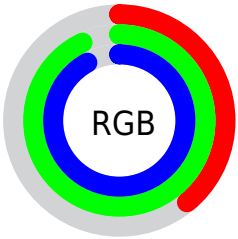
Format	Color
RYB	100, 170, 238
Decimal	6614762
CIELab	86.90, -38.06, -9.37
CIELCh	87, 39.195, 193.825
Yxy	69.8022, 0.2423, 0.3337
Android (android.graphics.Color)	4284804842 (0xFF64EEEA)
YUV	196.2820, 18.5950, -84.4393
Hunter-Lab	83.5477, -37.9100, -4.4534

Details

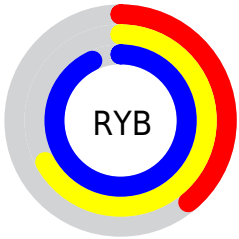
The RYB color 100, 170, 238 is a light color, and the websafe version is hex 66FFFF. A complement of this color would be 238, 100, 104, and the grayscale version is 196, 196, 196.

A 20% lighter version of the original color is 163, 209, 255, and 4, 93, 181 is the 20% darker color. If you saturate the color by 10%, you get 76, 158, 238, and if you desaturate by 10%, it is 124, 182, 238.

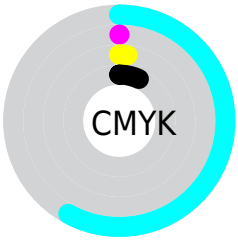
Distribution



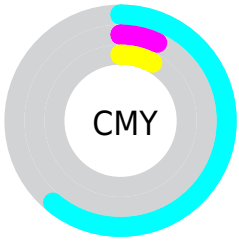
- Red (39%)
- Green (93%)
- Blue (92%)



- Red (39%)
- Yellow (67%)
- Blue (93%)



- Cyan (58%)
- Magenta (0%)
- Yellow (2%)
- Black (7%)



- Cyan (61%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 170, 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 100, 170, 238 by changing the saturation by 10% instead.

100, 170, 238

255, 255, 255

163, 209, 255

193, 224, 255

224, 240, 255

100, 170, 238

65, 138, 209

4, 93, 181

0, 78, 154

0, 65, 128

0, 51, 102

0, 39, 77

0, 27, 54

0, 17, 33

0, 0, 10

100, 170, 238

76, 158, 238

52, 146, 238

29, 135, 238

5, 123, 238

0, 121, 238

100, 170, 238

124, 182, 238

148, 194, 238

171, 205, 238

195, 217, 238

219, 229, 238

243, 238, 238

255, 238, 239

255, 238, 240

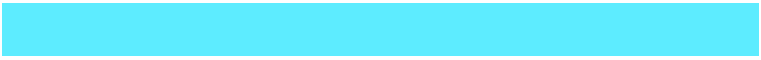
Harmonies

Analogous

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

140, 201, 236

100, 170, 238



93, 169, 255

Triad

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

100, 170, 238

244, 202, 255

230, 255, 147

Complementary

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

100, 170, 238

238, 100, 104

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, 209, 168

100, 170, 238

255, 192, 239

Square

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

100, 170, 238

194, 210, 255

255, 190, 202

150, 226, 145

Rectangle

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

100, 170, 238

119, 180, 255

255, 190, 202

253, 255, 152

Sweetspot

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

100, 170, 238

212, 234, 255

100, 238, 233

102, 115, 128

0, 0, 0

128, 128, 128

Same Dimension

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

100, 170, 238

77, 167, 255

100, 148, 238

108, 114, 120

0, 94, 184

0, 29, 56

Inverse Universe

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

238, 100, 104

255, 77, 82

238, 219, 100

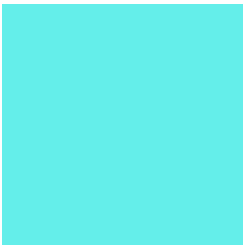
120, 108, 108

184, 0, 5

56, 0, 2

Previews

White Background

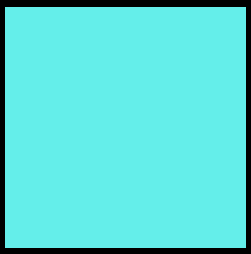


This preview shows how the RYB color 100, 170, 238 looks on a white background.

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



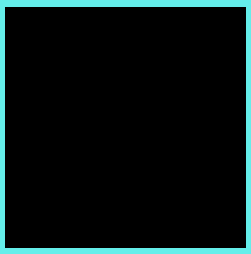
This preview shows how the RYB color 100, 170, 238 looks on a black background.

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 100, 170, 238 Background



This preview shows how black text looks on a background with the RYB color 100, 170, 238.

This preview shows how white text looks on a background with the RYB color 100, 170, 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

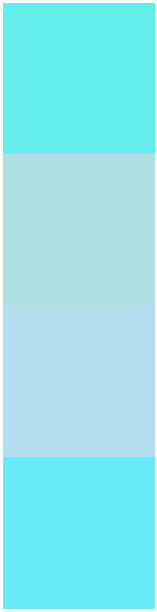
Original Color
100, 170, 238

Protanopia
219, 215, 220

Deuteranopia
226, 210, 240

Tritanopia
108, 176, 254

Trichromacy



Original Color
100, 170, 238

Protanomaly
176, 200, 225

Deuteranomaly
180, 204, 238

Tritanomaly
105, 173, 247

Monochromacy

Original Color
100, 170, 238

Achromatopsia
196, 196, 196

Achromatomaly
161, 186, 211

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 170, 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(100, 238, 234) looks like.

```
.text, #text, p{
    color:rgb(100, 238, 234)
}
```

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(100, 238, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 238, 234) }
```

Border

The CSS property to change the border of an element to RYB 100, 170, 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(100, 238, 234) }
```

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

```
.border{ border-color:rgb(100, 238, 234) }
```

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

Here you see how a box with a 4 pixel rgb(100, 238, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 238, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 238, 234); box-shadow:4px 4px 4px 4px rgb(100, 238, 234) }
```

Background

The CSS property to change the background color of an element to RYB 100, 170, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(100, 238, 234) }
```

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

```
.background{ background-color:rgb(100,
238, 234) }
```

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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