Converting Colors

RYB(116, 169, 238)

Have a look what the booklet for RYB(116, 169, 238) contains.

Color

RYB(116, 169, 238)

Conversions

Conversions Part 1

Format	Color
Hex	74D2EE
RGB	116, 210, 238
RGB Percent	45%, 82%, 93%
CMY	0.5451, 0.1776, 0.0667
CMYK	0.51, 0.12, 0.00, 0.07
HSL	194°, 78%, 69%
HSV	194°, 51%, 93%
XYZ	45.6102, 55.8362, 89.2625
YIQ	185.0860, -65.0120, -11.2200

Conversions

Conversions Part 2

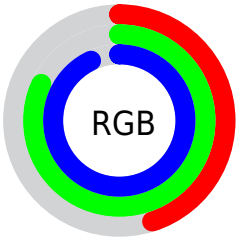
Format	Color
RYB	116, 169, 238
Decimal	7656174
CIELab	79.52, -20.28, -22.49
CIELCh	80, 30.282, 227.968
Yxy	55.8362, 0.2392, 0.2928
Android (android.graphics.Color)	4285846254 (0xFF74D2EE)
YUV	185.0860, 26.0866, -60.5884
Hunter-Lab	74.7236, -21.8127, -18.5194

Details

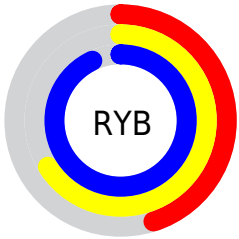
The RYB color 116, 169, 238 is a light color, and the websafe version is hex 66CCFF. A complement of this color would be 238, 152, 116, and the grayscale version is 185, 185, 185.

A 20% lighter version of the original color is 175, 215, 255, and 52, 109, 182 is the 20% darker color. If you saturate the color by 10%, you get 92, 155, 238, and if you desaturate by 10%, it is 140, 182, 238.

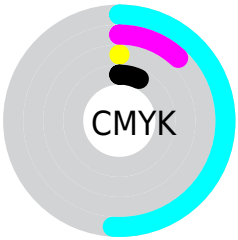
Distribution



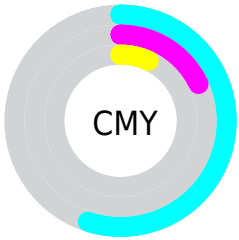
- Red (45%)
- Green (82%)
- Blue (93%)



- Red (45%)
- Yellow (66%)
- Blue (93%)



- Cyan (51%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)



- Cyan (55%)
- Magenta (18%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 169, 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 116, 169, 238 by changing the saturation by 10% instead.

116, 169, 238

255, 255, 255

175, 215, 255

204, 230, 255

234, 245, 255

116, 169, 238

86, 140, 210

53, 110, 182

0, 70, 155

0, 58, 129

0, 45, 104

0, 33, 80

0, 22, 57

0, 2, 35

0, 0, 11

116, 169, 238

92, 155, 238

68, 142, 238

45, 129, 238

21, 115, 238

0, 103, 238

116, 169, 238

140, 182, 238

164, 196, 238

187, 209, 238

211, 223, 238

235, 236, 238

255, 245, 238

250, 255, 238

239, 255, 238

238, 255, 238

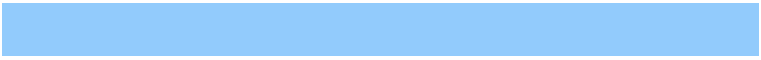
Harmonies

Analogous

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

114, 164, 213

116, 169, 238



146, 183, 252

Triad

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

116, 169, 238

246, 177, 210

143, 201, 144

Complementary

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

116, 169, 238

238, 152, 116

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.

207, 228, 142

116, 169, 238

254, 177, 181

Square

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

116, 169, 238

222, 184, 235

247, 192, 156

159, 208, 199

Rectangle

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

116, 169, 238

172, 191, 253

247, 192, 156

156, 210, 141

Sweetspot

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

116, 169, 238

217, 233, 255

116, 217, 238

105, 115, 128

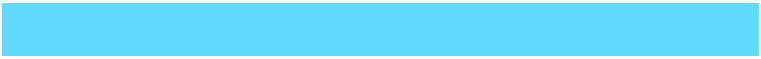
0, 0, 0

128, 128, 128

Same Dimension

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

116, 169, 238



97, 166, 255

116, 143, 238

108, 113, 120

0, 80, 184

0, 24, 56

Inverse Universe

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

238, 116, 210

255, 97, 218

165, 238, 116

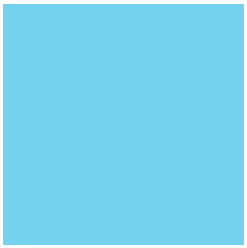
120, 108, 117

184, 0, 141

56, 0, 43

Previews

White Background

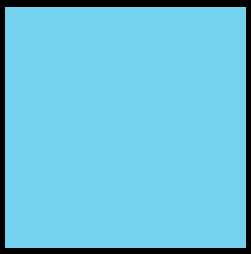


This preview shows how the RYB color 116, 169, 238 looks on a white background.

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



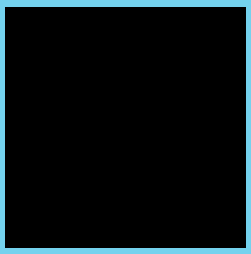
This preview shows how the RYB color 116, 169, 238 looks on a black background.

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 116, 169, 238 Background



This preview shows how black text looks on a background with the RYB color 116, 169, 238.

This preview shows how white text looks on a background with the RYB color 116, 169, 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

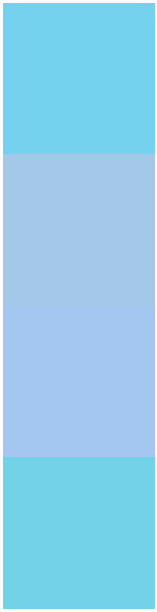
Original Color
116, 169, 238

Protanopia
190, 194, 228

Deuteranopia
192, 192, 242

Tritanopia
113, 166, 228

Trichromacy



Original Color
116, 169, 238

Protanomaly
163, 187, 232

Deuteranomaly
164, 188, 241

Tritanomaly
114, 167, 232

Monochromacy

Original Color
116, 169, 238

Achromatopsia
185, 185, 185

Achromatomaly
160, 179, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 169, 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(116, 210, 238) looks like.

```
.text, #text, p{
    color:rgb(116, 210, 238)
}
```

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(116, 210, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 210, 238) }
```

Border

The CSS property to change the border of an element to RYB 116, 169, 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(116, 210, 238) }
```

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

```
.border{ border-color:rgb(116, 210, 238) }
```

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

Here you see how a box with a 4 pixel rgb(116, 210, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 210, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 210, 238); box-shadow:4px 4px 4px 4px rgb(116, 210, 238) }
```

Background

The CSS property to change the background color of an element to RYB 116, 169, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(116, 210, 238) }
```

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

```
.background{ background-color:rgb(116,
210, 238) }
```

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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