Converting Colors

RYB(113, 175, 243)

Have a look what the booklet for RYB(113, 175, 243) contains.

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Color

RYB(113, 175, 243)

Conversions

Conversions Part 1

Format	Color
Hex	71E8F3
RGB	113, 232, 243
RGB Percent	44%, 91%, 95%
CMY	0.5569, 0.0920, 0.0471
CMYK	0.53, 0.05, 0.00, 0.05
HSL	185°, 84%, 70%
HSV	185°, 53%, 95%
XYZ	51.7120, 67.4304, 95.0839
YIQ	197.6730, -74.4550, -21.8070

Conversions

Conversions Part 2

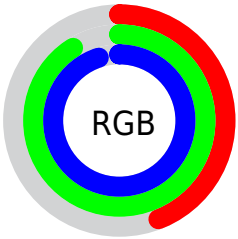
Format	Color
RYB	113, 175, 243
Decimal	7465203
CIELab	85.72, -30.27, -15.79
CIELCh	86, 34.138, 207.543
Yxy	67.4304, 0.2414, 0.3148
Android (android.graphics.Color)	4285655283 (0xFF71E8F3)
YUV	197.6730, 22.3462, -74.2582
Hunter-Lab	82.1160, -31.2938, -11.1719

Details

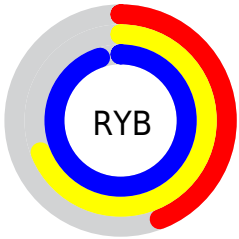
The RYB color 113, 175, 243 is a light color, and the websafe version is hex 99FFFF. A complement of this color would be 243, 125, 113, and the grayscale version is 197, 197, 197.

A 20% lighter version of the original color is 174, 215, 255, and 43, 112, 187 is the 20% darker color. If you saturate the color by 10%, you get 89, 162, 243, and if you desaturate by 10%, it is 137, 188, 243.

Distribution

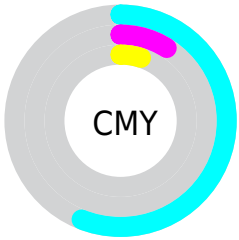


- Red (44%)
- Green (91%)
- Blue (95%)



- Red (44%)
- Yellow (69%)
- Blue (95%)

- Cyan (53%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)



- Cyan (56%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 113, 175, 243 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 113, 175, 243 by changing the saturation by 10% instead.

113, 175, 243	113, 175, 243
255, 255, 255	81, 145, 215
174, 215, 255	43, 112, 187
204, 230, 255	0, 77, 160
234, 245, 255	0, 64, 134
	0, 51, 108
	0, 39, 84
	0, 27, 61
	0, 17, 39
	0, 1, 18

113, 175, 243	113, 175, 243
89, 162, 243	137, 188, 243
64, 149, 243	162, 201, 243
40, 137, 243	186, 213, 243
16, 124, 243	210, 226, 243
0, 116, 243	234, 238, 243
	255, 244, 243
	255, 249, 243
	255, 255, 243
	249, 255, 243

Harmonies

Analogous

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

133, 189, 232

113, 175, 243

127, 183, 255

Triad

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

113, 175, 243

253, 196, 249

193, 240, 150

Complementary

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

113, 175, 243

243, 125, 113

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, 228, 161

113, 175, 243

255, 191, 218

Square

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

113, 175, 243

215, 207, 255

255, 193, 186

156, 221, 171

Rectangle

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

113, 175, 243

153, 194, 255

255, 193, 186

226, 250, 152

Sweetspot

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

113, 175, 243

214, 233, 255

113, 233, 243

103, 115, 128

0, 0, 0

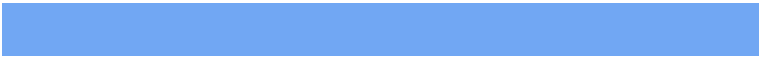
128, 128, 128

Same Dimension

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

113, 175, 243

92, 170, 255



113, 151, 243

110, 116, 122

0, 89, 186

0, 28, 59

Inverse Universe

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

243, 113, 232

255, 92, 241

205, 243, 113

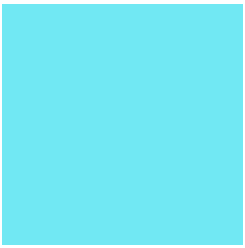
122, 110, 121

186, 0, 170

59, 0, 53

Previews

White Background

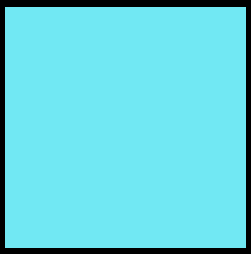


This preview shows how the RYB color 113, 175, 243 looks on a white background.

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



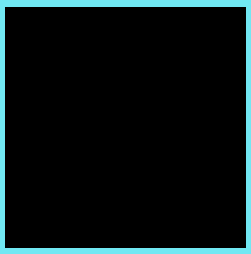
This preview shows how the RYB color 113, 175, 243 looks on a black background.

Color Contrast Check

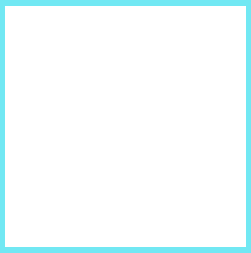
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 113, 175, 243 Background



This preview shows how black text looks on a background with the RYB color 113, 175, 243.



This preview shows how white text looks on a background with the RYB color 113, 175, 243.

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

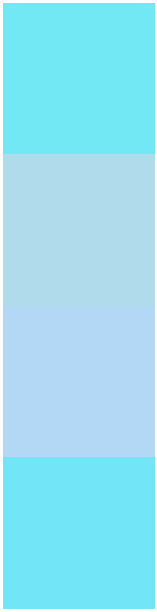
Original Color
113, 175, 243

Protanopia
212, 212, 230

Deuteranopia
217, 208, 248

Tritanopia
115, 177, 249

Trichromacy



Original Color
113, 175, 243

Protanomaly
176, 201, 235

Deuteranomaly
179, 203, 246

Tritanomaly
114, 176, 247

Monochromacy

Original Color
113, 175, 243

Achromatopsia
197, 197, 197

Achromatomaly
166, 189, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 113, 175, 243 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(113, 232, 243) looks like.

```
.text, #text, p{
    color:rgb(113, 232, 243)
}
```

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(113, 232, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 232, 243) }
```

Border

The CSS property to change the border of an element to RYB 113, 175, 243 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(113, 232, 243) }
```

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

```
.border{ border-color:rgb(113, 232, 243) }
```

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

Here you see how a box with a 4 pixel rgb(113, 232, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 232, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 232, 243); box-shadow:4px 4px 4px 4px rgb(113, 232, 243) }
```

Background

The CSS property to change the background color of an element to RYB 113, 175, 243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(113, 232, 243) }
```

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

```
.background{ background-color:rgb(113,
232, 243) }
```

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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