

Converting Colors

`RYB(116, 193, 232)`

Have a look what the booklet for
RYB(116, 193, 232) contains.

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Color

R_YB(116, 193, 232)

Conversions

Conversions Part 1

Format	Color
Hex	74E8AF
RGB	116, 232, 175
RGB Percent	45%, 91%, 69%
CMY	0.5451, 0.0902, 0.3147
CMYK	0.50, 0.00, 0.25, 0.09
HSL	150°, 72%, 68%
HSV	150°, 50%, 91%
XYZ	43.7727, 64.5117, 50.5754
YIQ	190.8180, -50.8390, -42.3190

Conversions

Conversions Part 2

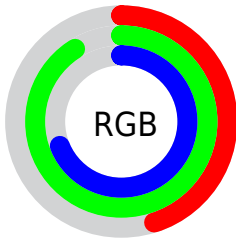
Format	Color
RYB	116, 193, 232
Decimal	7661743
CIELab	84.23, -45.91, 17.92
CIELCh	84, 49.284, 158.675
Yxy	64.5117, 0.2755, 0.4061
Android (android.graphics.Color)	4285851823 (0xFF74E8AF)
YUV	190.8180, -7.7983, -65.6154
Hunter-Lab	80.3192, -43.2788, 18.8896

Details

The RYB color **116, 193, 232** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **232, 116, 173**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **174, 222, 255**, and **55, 133, 176** is the 20% darker color. If you saturate the color by 10%, you get **93, 185, 232**, and if you desaturate by 10%, it is **139, 201, 232**.

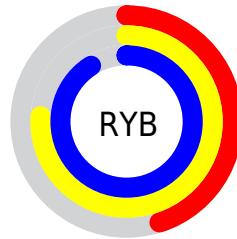
Distribution



Red (45%)

Green (91%)

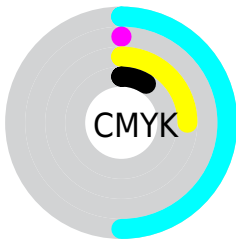
Blue (69%)



Red (45%)

Yellow (76%)

Blue (91%)

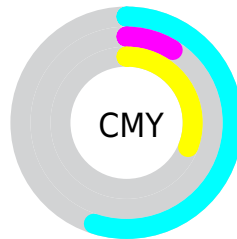


Cyan (50%)

Magenta (0%)

Yellow (25%)

Black (9%)



Cyan (55%)

Magenta (9%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 193, 232 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, 193, 232 by changing the saturation by 10% instead.


 116, 193, 232


255, 255, 255


 174, 222, 255

 203, 229, 255

 233, 244, 255

 116, 193, 232

 86, 162, 203

 55, 133, 176

 6, 93, 148

 0, 76, 122

 0, 63, 96

 0, 50, 71


 0, 43, 48

 0, 23, 23


 0, 0, 0

 116, 193, 232


 116, 193, 232

 93, 185, 232


 139, 201, 232

 70, 178, 232

 162, 208, 232

 46, 170, 232

 186, 217, 232

 23, 162, 232

 209, 224, 232

 0, 154, 232

 232, 232, 232

 255, 232, 243

 255, 232, 255

Harmonies

Analogous

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



136, 224, 184



116, 193, 232



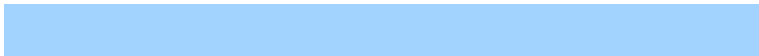
0, 121, 235

Triad

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



116, 193, 232



162, 194, 255



255, 189, 154

Complementary

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



116, 193, 232



232, 116, 173

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, 173, 198



116, 193, 232



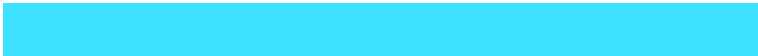
233, 193, 255

Square

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



116, 193, 232



62, 150, 255



255, 178, 245



231, 255, 124

Rectangle

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



116, 193, 232



0, 122, 253



255, 178, 245



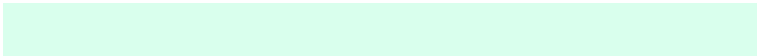
255, 178, 168

Sweetspot

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



116, 193, 232



217, 242, 255



116, 232, 174



105, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



116, 193, 232



102, 204, 255



116, 174, 232



103, 111, 115



0, 119, 179



0, 34, 51

Inverse Universe

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



232, 116, 173



255, 102, 178



232, 116, 116



115, 103, 109



179, 0, 88



51, 0, 25

Previews

White Background



This preview shows how the RYB color 116, 193, 232 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, 193, 232 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, 193, 232 Background



This preview shows how black text looks on a background with the RYB color 116, 193, 232.

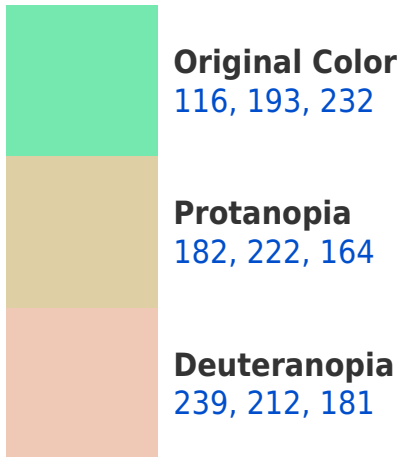



This preview shows how white text looks on a background with the RYB color 116, 193, 232.

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





Tritanopia
134, 183, 241

Trichromacy



Original Color

116, 193, 232



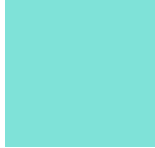
Protanomaly

168, 217, 202



Deuteranomaly

179, 212, 197



Tritanomaly

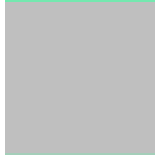
127, 179, 226

Monochromacy



Original Color

116, 193, 232



Achromatopsia

191, 191, 191



Achromatomaly

164, 192, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 193, 232 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, 232, 175)` looks like.

```
.text, #text, p{  
    color:rgb(116, 232, 175)  
}
```

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, 232, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 232, 175) }
```

Border

The CSS property to change the border of an element to RYB 116, 193, 232 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, 232, 175) }
```

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

```
.border{ border-color:rgb(116, 232, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 232, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 232, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 232, 175);  
box-shadow:4px 4px 4px 4px rgb(116, 232,  
175) }
```

Background

The CSS property to change the background color of an element to RYB 116, 193, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 232, 175) }
```

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

```
.background{ background-color: rgb(116,  
232, 175) }
```

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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