

Converting Colors

`RYB(116, 181, 226)`

Have a look what the booklet for
RYB(116, 181, 226) contains.

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Color

R_YB(116, 181, 226)

Conversions

Conversions Part 1

Format	Color
Hex	74E2C0
RGB	116, 226, 192
RGB Percent	45%, 89%, 75%
CMY	0.5451, 0.1137, 0.2465
CMYK	0.49, 0.00, 0.15, 0.11
HSL	162°, 65%, 67%
HSV	162°, 49%, 89%
XYZ	43.9303, 61.9183, 59.5947
YIQ	189.2340, -54.6460, -33.8940

Conversions

Conversions Part 2

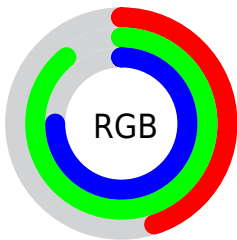
Format	Color
RYB	116, 181, 226
Decimal	7660224
CIELab	82.87, -39.58, 6.87
CIELCh	83, 40.170, 170.157
Yxy	61.9183, 0.2655, 0.3743
Android (android.graphics.Color)	4285850304 (0xFF74E2C0)
YUV	189.2340, 1.3636, -64.2262
Hunter-Lab	78.6882, -38.0508, 10.1783

Details

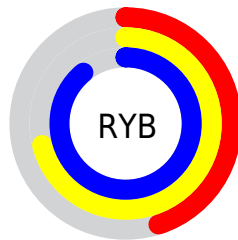
The RYB color **116, 181, 226** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **226, 116, 150**, and the grayscale version is **189, 189, 189**.

A 20% lighter version of the original color is **174, 216, 255**, and **55, 121, 170** is the 20% darker color. If you saturate the color by 10%, you get **93, 172, 226**, and if you desaturate by 10%, it is **139, 190, 226**.

Distribution



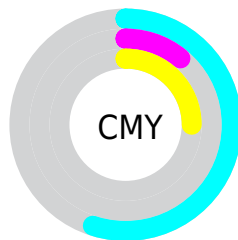
- Red (45%)
- Green (89%)
- Blue (75%)



- Red (45%)
- Yellow (71%)
- Blue (89%)



- Cyan (49%)
- Magenta (0%)
- Yellow (15%)
- Black (11%)



- Cyan (55%)
- Magenta (11%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 181, 226 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, 181, 226 by changing the saturation by 10% instead.

 116, 181, 226


255, 255, 255


 174, 216, 255

 203, 229, 255

 233, 244, 255

 116, 181, 226

 87, 152, 198

 55, 121, 170


 10, 85, 143

 0, 66, 117

 0, 54, 92

 0, 41, 67


 0, 29, 44

 0, 18, 18


 0, 0, 0


 116, 181, 226


 116, 181, 226

 93, 172, 226


 139, 190, 226

 71, 163, 226

 161, 199, 226

 48, 153, 226

 184, 209, 226

 26, 144, 226

 206, 218, 226

 3, 135, 226

 229, 226, 227

 0, 134, 226

 252, 226, 234

 255, 226, 241

 255, 226, 248

 255, 226, 255

Harmonies

Analogous

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



157, 221, 215



116, 181, 226



74, 151, 231

Triad

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



116, 181, 226



193, 200, 255



255, 207, 150

Complementary

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



116, 181, 226



226, 116, 150

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, 178, 182



116, 181, 226



242, 188, 255

Square

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



116, 181, 226



133, 182, 255



255, 179, 220



202, 243, 132

Rectangle

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



116, 181, 226



68, 153, 254



255, 179, 220



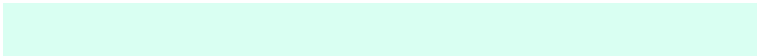
255, 191, 159

Sweetspot

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



116, 181, 226



217, 240, 255



116, 226, 191



105, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



116, 181, 226



107, 195, 255



116, 166, 226



101, 107, 112



0, 104, 176



0, 28, 48

Inverse Universe

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



226, 116, 150



255, 107, 153



226, 140, 116



112, 101, 104



176, 0, 54



48, 0, 15

Previews

White Background



This preview shows how the RYB color 116, 181, 226 looks on a white background.

Color Contrast Check

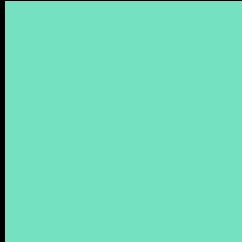
Large Text (above 18pt) WCAG AA × Fail

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, 181, 226 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

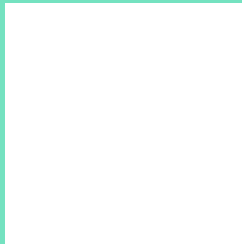
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 116, 181, 226 Background



This preview shows how black text looks on a background with the RYB color 116, 181, 226.

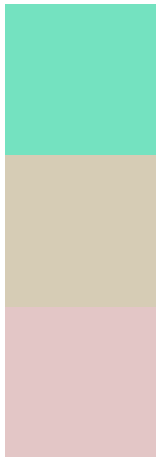


This preview shows how white text looks on a background with the RYB color 116, 181, 226.

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, 181, 226

Protanopia
195, 214, 181

Deuteranopia
227, 198, 198



Tritanopia
129, 178, 237

Trichromacy



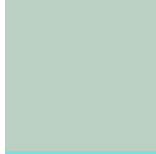
Original Color

116, 181, 226



Protanomaly

178, 206, 212



Deuteranomaly

187, 202, 208



Tritanomaly

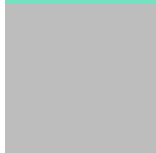
124, 173, 222

Monochromacy



Original Color

116, 181, 226



Achromatopsia

189, 189, 189



Achromatomaly

162, 186, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 181, 226 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, 226, 192)` looks like.

```
.text, #text, p{  
    color:rgb(116, 226, 192)  
}
```

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, 226, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 226, 192) }
```

Border

The CSS property to change the border of an element to RYB 116, 181, 226 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, 226, 192) }
```

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

```
.border{ border-color:rgb(116, 226, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 226, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 226, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 226, 192);  
box-shadow:4px 4px 4px 4px rgb(116, 226,  
192) }
```

Background

The CSS property to change the background color of an element to RYB 116, 181, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 226, 192) }
```

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

```
.background{ background-color: rgb(116,  
226, 192) }
```

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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