

Converting Colors

`RYB(116, 186, 241)`

Have a look what the booklet for
RYB(116, 186, 241) contains.

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Color

R_YB(116, 186, 241)

Conversions

Conversions Part 1

Format	Color
Hex	74F1D6
RGB	116, 241, 214
RGB Percent	45%, 95%, 84%
CMY	0.5451, 0.0549, 0.1599
CMYK	0.52, 0.00, 0.11, 0.05
HSL	167°, 82%, 70%
HSV	167°, 52%, 95%
XYZ	50.8227, 71.4896, 74.8821
YIQ	200.5470, -65.8330, -34.8970

Conversions

Conversions Part 2

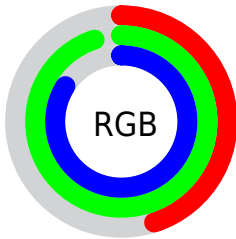
Format	Color
R _Y B	116, 186, 241
Decimal	7664086
CIE Lab	87.72, -41.25, 2.29
CIE LCh	88, 41.314, 176.816
Yxy	71.4896, 0.2577, 0.3625
Android (android.graphics.Color)	4285854166 (0xFF74F1D6)
YUV	200.5470, 6.6323, -74.1477
Hunter-Lab	84.5515, -40.6713, 6.6765

Details

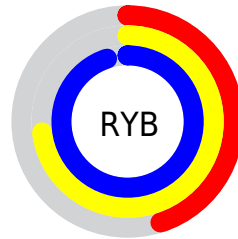
The RYB color **116, 186, 241** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **241, 116, 143**, and the grayscale version is **201, 201, 201**.

A 20% lighter version of the original color is **176, 216, 255**, and **50, 124, 184** is the 20% darker color. If you saturate the color by 10%, you get **92, 175, 241**, and if you desaturate by 10%, it is **140, 197, 241**.

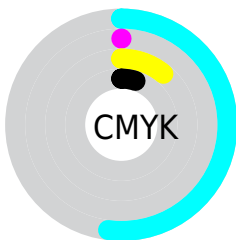
Distribution



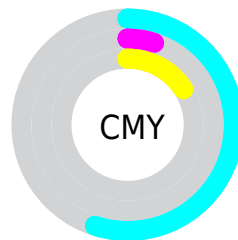
- Red (45%)
- Green (95%)
- Blue (84%)



- Red (45%)
- Yellow (73%)
- Blue (95%)



- Cyan (52%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)



- Cyan (55%)
- Magenta (5%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 186, 241 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, 186, 241 by changing the saturation by 10% instead.

 116, 186, 241


255, 255, 255


 176, 216, 255

 206, 231, 255

 236, 246, 255

 116, 186, 241

 85, 155, 212

 50, 124, 184

 0, 85, 157

 0, 71, 130

 0, 58, 104

 0, 45, 79


 0, 32, 55


 0, 22, 34


 0, 0, 0

 116, 186, 241


 116, 186, 241

 92, 175, 241

 140, 197, 241

 68, 165, 241

 164, 207, 241

 44, 154, 241

 188, 218, 241

 20, 144, 241

 212, 228, 241

 0, 135, 241

 236, 239, 241

 255, 241, 245

 255, 241, 250

 255, 241, 255

Harmonies

Analogous

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



164, 227, 237



116, 186, 241



80, 164, 254

Triad

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



116, 186, 241



219, 211, 255



255, 247, 155

Complementary

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



116, 186, 241



241, 116, 143

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, 193, 186



116, 186, 241



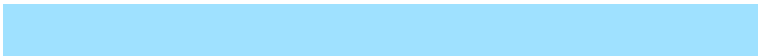
255, 198, 255

Square

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



116, 186, 241



159, 198, 255



255, 190, 226



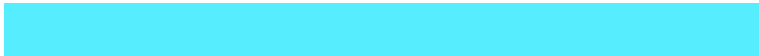
192, 251, 141

Rectangle

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



116, 186, 241



86, 166, 255



255, 190, 226



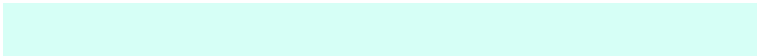
255, 221, 164

Sweetspot

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



116, 186, 241



214, 237, 255



116, 241, 214



103, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



116, 186, 241



97, 186, 255



116, 168, 241



108, 115, 120



0, 103, 184



0, 31, 56

Inverse Universe

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



241, 116, 143



255, 97, 131



241, 165, 116



120, 108, 110



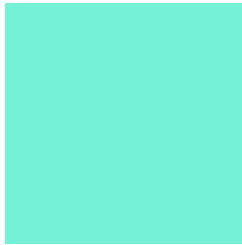
184, 0, 39



56, 0, 12

Previews

White Background



This preview shows how the RYB color 116, 186, 241 looks on a white background.

Color Contrast Check

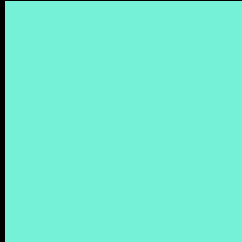
Large Text (above 18pt) WCAG AA × Fail

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, 186, 241 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

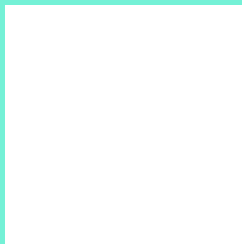
Any Text WCAG AAA ✓ Pass

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

RYB 116, 186, 241 Background



This preview shows how black text looks on a background with the RYB color 116, 186, 241.

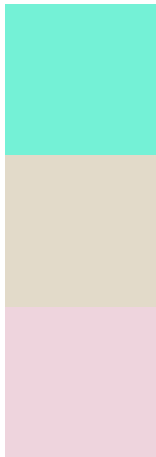


This preview shows how white text looks on a background with the RYB color 116, 186, 241.

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](#).

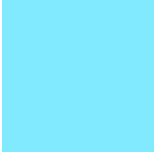
Dichromacy



Original Color
116, 186, 241

Protanopia
213, 226, 201

Deuteranopia
238, 212, 221



Tritanopia
129, 186, 254

Trichromacy



Original Color

116, 186, 241



Protanomaly

186, 213, 226



Deuteranomaly

194, 210, 223



Tritanomaly

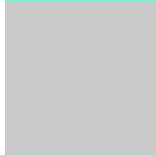
124, 181, 240

Monochromacy



Original Color

116, 186, 241



Achromatopsia

201, 201, 201



Achromatomaly

170, 196, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 186, 241 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, 241, 214)` looks like.

```
.text, #text, p{  
    color:rgb(116, 241, 214)  
}
```

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, 241, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 241, 214) }
```

Border

The CSS property to change the border of an element to RYB 116, 186, 241 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, 241, 214) }
```

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

```
.border{ border-color:rgb(116, 241, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 241, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 241, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 241, 214);  
box-shadow:4px 4px 4px 4px rgb(116, 241,  
214) }
```

Background

The CSS property to change the background color of an element to RYB 116, 186, 241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 241, 214) }
```

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

```
.background{ background-color: rgb(116,  
241, 214) }
```

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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