

Converting Colors

`RYB(146, 212, 227)`

Have a look what the booklet for
RYB(146, 212, 227) contains.

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Color

R_YB(146, 212, 227)

Conversions

Conversions Part 1

Format	Color
Hex	92E3A4
RGB	146, 227, 164
RGB Percent	57%, 89%, 64%
CMY	0.4275, 0.1098, 0.3553
CMYK	0.36, 0.00, 0.28, 0.11
HSL	134°, 59%, 73%
HSV	134°, 36%, 89%
XYZ	46.0610, 63.7443, 45.1922
YIQ	195.5990, -28.0530, -36.7650

Conversions

Conversions Part 2

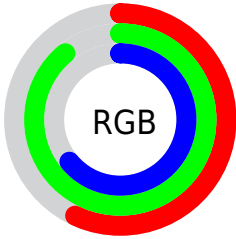
Format	Color
RYB	146, 212, 227
Decimal	9626532
CIELab	83.83, -37.58, 22.94
CIELCh	84, 44.023, 148.598
Yxy	63.7443, 0.2972, 0.4113
Android (android.graphics.Color)	4287816612 (0xFF92E3A4)
YUV	195.5990, -15.5783, -43.4983
Hunter-Lab	79.8400, -36.7405, 22.3279

Details

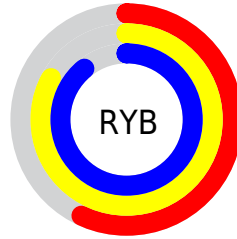
The RYB color **146, 212, 227** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **227, 146, 209**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **202, 242, 255**, and **92, 155, 171** is the 20% darker color. If you saturate the color by 10%, you get **123, 208, 227**, and if you desaturate by 10%, it is **169, 216, 227**.

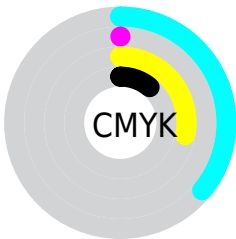
Distribution



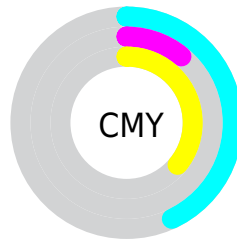
- Red (57%)
- Green (89%)
- Blue (64%)



- Red (57%)
- Yellow (83%)
- Blue (89%)



- Cyan (36%)
- Magenta (0%)
- Yellow (28%)
- Black (11%)



- Cyan (43%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 146, 212, 227 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 146, 212, 227 by changing the saturation by 10% instead.


 146, 212, 227

 146, 212, 227


255, 255, 255

 119, 184, 199

 202, 242, 255

 92, 155, 171

 231, 245, 255

 65, 127, 144

 36, 97, 118

 0, 65, 93

 0, 54, 69

 0, 45, 45

 0, 22, 22


 0, 0, 0

 146, 212, 227


 146, 212, 227

 123, 208, 227


 169, 216, 227

 101, 204, 227


 191, 220, 227

 78, 199, 227


 214, 225, 227

 55, 195, 227

 237, 227, 235

 33, 191, 227

 255, 227, 252

 10, 187, 227

 255, 227, 255

 0, 185, 227

Harmonies

Analogous

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



135, 218, 158



146, 212, 227



89, 167, 231

Triad

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



146, 212, 227



145, 187, 255



255, 181, 171

Complementary

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



146, 212, 227



227, 146, 209

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, 177, 213



146, 212, 227



211, 199, 255

Square

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



146, 212, 227



69, 154, 255



255, 185, 253



255, 233, 139

Rectangle

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



146, 212, 227



47, 140, 234



255, 185, 253



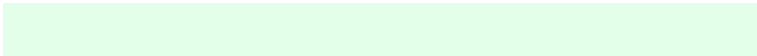
255, 178, 185

Sweetspot

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



146, 212, 227



227, 250, 255



146, 227, 164



111, 125, 128



0, 0, 0



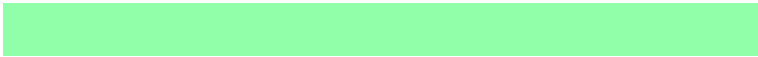
128, 128, 128

Same Dimension

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



146, 212, 227



145, 235, 255



146, 193, 227



103, 113, 115



0, 146, 179



0, 41, 51

Inverse Universe

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



227, 146, 209



255, 145, 230



227, 146, 169



115, 103, 112



179, 0, 138



51, 0, 39

Previews

White Background



This preview shows how the RYB color 146, 212, 227 looks on a white background.

Color Contrast Check

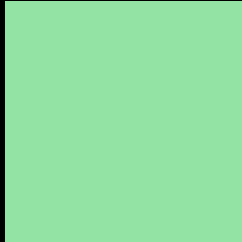
Large Text (above 18pt) WCAG AA × Fail

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 146, 212, 227 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 146, 212, 227 Background



This preview shows how black text looks on a background with the RYB color 146, 212, 227.

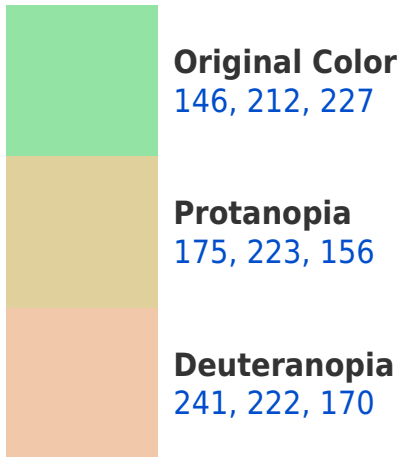



This preview shows how white text looks on a background with the RYB color 146, 212, 227.

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





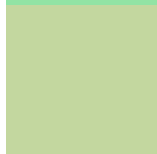
Tritanopia
160, 193, 235

Trichromacy



Original Color

146, 212, 227



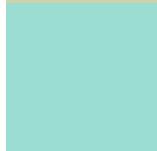
Protanomaly

159, 215, 179



Deuteranomaly

168, 210, 172



Tritanomaly

155, 191, 221

Monochromacy



Original Color

146, 212, 227



Achromatopsia

196, 196, 196



Achromatomaly

178, 201, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 146, 212, 227 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(146, 227, 164)` looks like.

```
.text, #text, p{  
    color:rgb(146, 227, 164)  
}
```

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(146, 227, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 227, 164) }
```

Border

The CSS property to change the border of an element to RYB 146, 212, 227 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(146, 227, 164) }
```

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

```
.border{ border-color:rgb(146, 227, 164) }
```

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

Here you see how a box with a 4 pixel rgb(146, 227, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 227, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 227, 164);  
box-shadow:4px 4px 4px 4px rgb(146, 227,  
164) }
```

Background

The CSS property to change the background color of an element to RYB 146, 212, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 227, 164) }
```

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

```
.background{ background-color: rgb(146,  
227, 164) }
```

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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