

Converting Colors

`RYB(86, 172, 209)`

Have a look what the booklet for
RYB(86, 172, 209) contains.

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Color

R_YB(86, 172, 209)

Conversions

Conversions Part 1

Format	Color
Hex	56D18B
RGB	86, 209, 139
RGB Percent	34%, 82%, 55%
CMY	0.6627, 0.1804, 0.4552
CMYK	0.59, 0.00, 0.34, 0.18
HSL	146°, 57%, 58%
HSV	146°, 59%, 82%
XYZ	31.2925, 49.4411, 32.2887
YIQ	164.2430, -50.8380, -47.8460

Conversions

Conversions Part 2

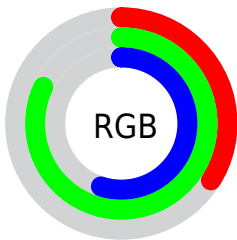
Format	Color
RYB	86, 172, 209
Decimal	5689739
CIELab	75.72, -50.11, 24.78
CIELCh	76, 55.903, 153.692
Yxy	49.4411, 0.2769, 0.4374
Android (android.graphics.Color)	4283879819 (0xFF56D18B)
YUV	164.2430, -12.4448, -68.6191
Hunter-Lab	70.3143, -43.6110, 21.9938

Details

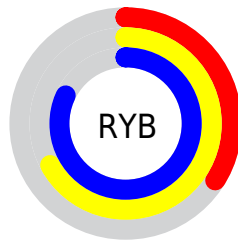
The RYB color **86, 172, 209** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **209, 86, 156**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **145, 222, 255**, and **0, 97, 153** is the 20% darker color. If you saturate the color by 10%, you get **65, 166, 209**, and if you desaturate by 10%, it is **107, 178, 209**.

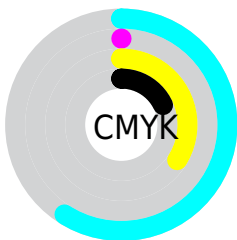
Distribution



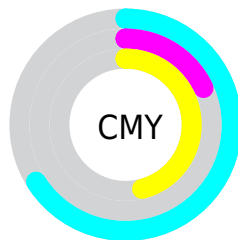
- Red (34%)
- Green (82%)
- Blue (55%)



- Red (34%)
- Yellow (67%)
- Blue (82%)



- Cyan (59%)
- Magenta (0%)
- Yellow (34%)
- Black (18%)



- Cyan (66%)
- Magenta (18%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 172, 209 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 86, 172, 209 by changing the saturation by 10% instead.



86, 172, 209



86, 172, 209

255, 255, 255



53, 140, 181



145, 222, 255



0, 97, 153



175, 226, 255



0, 84, 127



204, 231, 255



0, 72, 101



234, 245, 255



0, 61, 76



0, 52, 52



0, 28, 28



0, 0, 0



86, 172, 209



86, 172, 209

■ 65, 166, 209

■ 107, 178, 209

■ 44, 159, 209

■ 128, 185, 209

■ 23, 153, 209

■ 149, 191, 209

■ 2, 147, 209

■ 170, 197, 209

■ 0, 146, 209

■ 191, 204, 209

■ 211, 209, 210

■ 232, 209, 222

■ 253, 209, 234

■ 255, 209, 246

Harmonies

Analogous

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



97, 200, 140



86, 172, 209



0, 112, 213

Triad

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



86, 172, 209



105, 159, 255



255, 153, 132

Complementary

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



86, 172, 209



209, 86, 156

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, 142, 182



86, 172, 209



199, 171, 255

Square

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



86, 172, 209



0, 113, 255



255, 151, 233



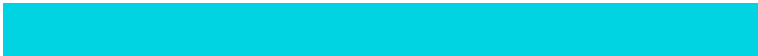
253, 229, 94

Rectangle

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



86, 172, 209



0, 109, 226



255, 151, 233



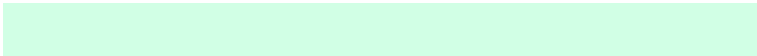
255, 146, 148

Sweetspot

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



86, 172, 209



209, 241, 255



86, 209, 137



99, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



86, 172, 209



74, 200, 255



86, 150, 209



94, 102, 105



0, 118, 168



0, 28, 41

Inverse Universe

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



209, 86, 156



255, 74, 177



209, 86, 96



105, 94, 100



168, 0, 96



41, 0, 23

Previews

White Background



This preview shows how the RYB color 86, 172, 209 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 86, 172, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

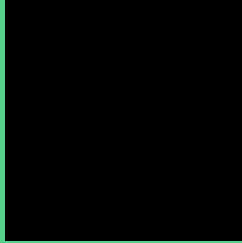
Any Text WCAG AA ✓ Pass

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](#).

R Y B 86, 172, 209 Background



This preview shows how black text looks on a background with the R Y B color 86, 172, 209.

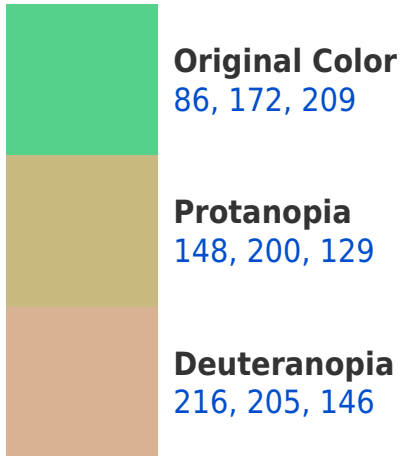


This preview shows how white text looks on a background with the R Y B color 86, 172, 209.

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
109, 158, 216

Trichromacy



Original Color

86, 172, 209



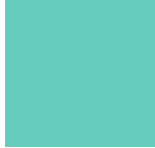
Protanomaly

133, 194, 168



Deuteranomaly

143, 189, 163



Tritanomaly

101, 156, 203

Monochromacy



Original Color

86, 172, 209



Achromatopsia

164, 164, 164



Achromatomaly

136, 167, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 172, 209 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(86, 209, 139) looks like.

```
.text, #text, p{  
    color:rgb(86, 209, 139)  
}
```

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(86, 209, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 209, 139) }
```

Border

The CSS property to change the border of an element to RYB 86, 172, 209 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(86, 209, 139) }
```

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

```
.border{ border-color:rgb(86, 209, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 209, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 209, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 209, 139);  
box-shadow:4px 4px 4px 4px rgb(86, 209,  
139) }
```

Background

The CSS property to change the background color of an element to RGB 86, 172, 209 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 209, 139) }
```

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

```
.background{ background-color: rgb(86, 209,  
139) }
```

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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