

Converting Colors

`RYB(105, 182, 205)`

Have a look what the booklet for
RYB(105, 182, 205) contains.

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Color

R_YB(105, 182, 205)

Conversions

Conversions Part 1

Format	Color
Hex	69CD87
RGB	105, 205, 135
RGB Percent	41%, 80%, 53%
CMY	0.5882, 0.1961, 0.4711
CMYK	0.49, 0.00, 0.34, 0.20
HSL	138°, 50%, 61%
HSV	138°, 49%, 80%
XYZ	32.0211, 48.4115, 30.5304
YIQ	167.1200, -37.1300, -42.9700

Conversions

Conversions Part 2

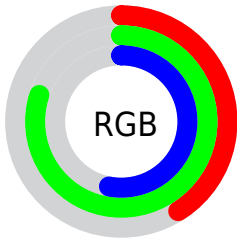
Format	Color
RYB	105, 182, 205
Decimal	6933895
CIELab	75.08, -44.69, 26.14
CIELCh	75, 51.772, 149.680
Yxy	48.4115, 0.2886, 0.4363
Android (android.graphics.Color)	4285123975 (0xFF69CD87)
YUV	167.1200, -15.8352, -54.4792
Hunter-Lab	69.5784, -39.6137, 22.6889

Details

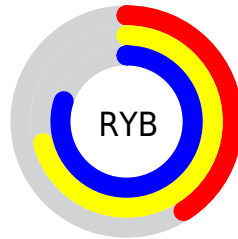
The RYB color **105, 182, 205** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **205, 105, 175**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **162, 234, 255**, and **46, 122, 150** is the 20% darker color. If you saturate the color by 10%, you get **84, 177, 205**, and if you desaturate by 10%, it is **125, 187, 205**.

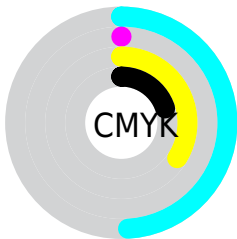
Distribution



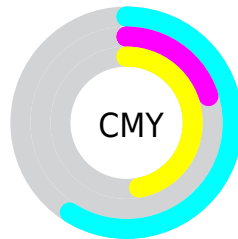
- Red (41%)
- Green (80%)
- Blue (53%)



- Red (41%)
- Yellow (71%)
- Blue (80%)



- Cyan (49%)
- Magenta (0%)
- Yellow (34%)
- Black (20%)



- Cyan (59%)
- Magenta (20%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 182, 205 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 105, 182, 205 by changing the saturation by 10% instead.

 105, 182, 205

255, 255, 255


 162, 234, 255


 190, 236, 255

 219, 240, 255

 249, 252, 255

 105, 182, 205

 76, 152, 177

 46, 122, 150

 0, 82, 123


 0, 71, 98


 0, 61, 73


 0, 49, 49

 0, 26, 26


 0, 0, 0


 105, 182, 205


 105, 182, 205

 84, 177, 205


 125, 187, 205

 64, 173, 205


 146, 191, 205

 43, 167, 205

 167, 196, 205

 23, 163, 205

 187, 201, 205

 3, 159, 205

 208, 205, 207

 0, 158, 205

 228, 205, 221

 249, 205, 236

 255, 205, 250

 255, 205, 255

Harmonies

Analogous

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



99, 196, 130



105, 182, 205



0, 111, 209

Triad

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



105, 182, 205



99, 156, 255



255, 151, 140

Complementary

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



105, 182, 205



205, 105, 175

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, 145, 187



105, 182, 205



187, 173, 255

Square

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



105, 182, 205



0, 113, 255



243, 155, 234



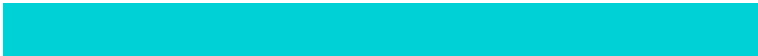
251, 210, 103

Rectangle

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



105, 182, 205



0, 106, 215



243, 155, 234



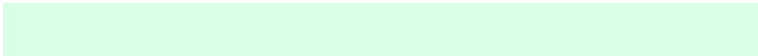
255, 147, 155

Sweetspot

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



105, 182, 205



217, 246, 255



105, 205, 133



105, 123, 128



0, 0, 0



128, 128, 128

Same Dimension

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



105, 182, 205



105, 221, 255



105, 161, 205



92, 100, 102



0, 128, 166



0, 29, 38

Inverse Universe

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



205, 105, 175



255, 105, 210



205, 105, 127



102, 92, 99



166, 0, 116



38, 0, 27

Previews

White Background



This preview shows how the RYB color 105, 182, 205 looks on a white background.

Color Contrast Check

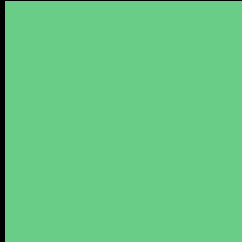
Large Text (above 18pt) WCAG AA × Fail

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 105, 182, 205 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 105, 182, 205 Background



This preview shows how black text looks on a background with the RYB color 105, 182, 205.

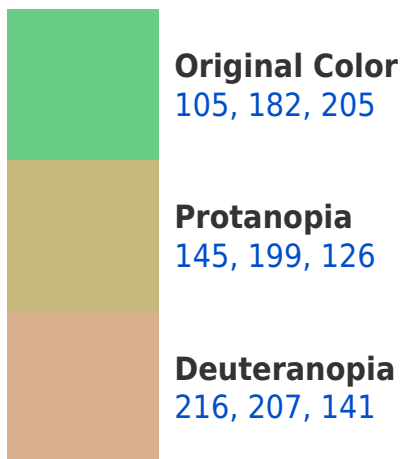


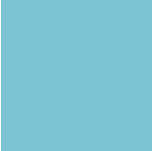
This preview shows how white text looks on a background with the RYB color 105, 182, 205.

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
124, 163, 211

Trichromacy



Original Color

105, 182, 205



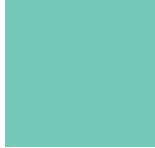
Protanomaly

129, 192, 156



Deuteranomaly

139, 187, 150



Tritanomaly

117, 162, 199

Monochromacy



Original Color

105, 182, 205



Achromatopsia

167, 167, 167



Achromatomaly

144, 173, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 105, 182, 205 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(105, 205, 135)` looks like.

```
.text, #text, p{  
    color:rgb(105, 205, 135)  
}
```

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(105, 205, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 205, 135) }
```

Border

The CSS property to change the border of an element to RYB 105, 182, 205 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(105, 205, 135) }
```

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

```
.border{ border-color:rgb(105, 205, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 205, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 205, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 205, 135); box-shadow:4px 4px 4px 4px rgb(105, 205, 135) }
```

Background

The CSS property to change the background color of an element to RYB 105, 182, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 205, 135) }
```

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

```
.background{ background-color: rgb(105,  
205, 135) }
```

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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