

Converting Colors

`RYB(105, 162, 198)`

Have a look what the booklet for
RYB(105, 162, 198) contains.

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Color

R_YB(105, 162, 198)

Conversions

Conversions Part 1

Format	Color
Hex	69C6A4
RGB	105, 198, 164
RGB Percent	41%, 78%, 64%
CMY	0.5882, 0.2235, 0.3579
CMYK	0.47, 0.00, 0.17, 0.22
HSL	158°, 45%, 59%
HSV	158°, 47%, 78%
XYZ	32.6969, 46.0623, 42.1651
YIQ	166.3170, -44.5140, -30.2900

Conversions

Conversions Part 2

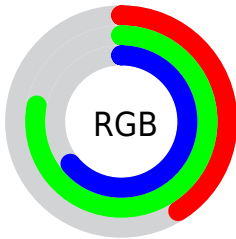
Format	Color
RYB	105, 162, 198
Decimal	6932132
CIELab	73.59, -35.80, 8.68
CIElCh	74, 36.841, 166.373
Yxy	46.0623, 0.2704, 0.3809
Android (android.graphics.Color)	4285122212 (0xFF69C6A4)
YUV	166.3170, -1.1423, -53.7750
Hunter-Lab	67.8692, -32.7763, 10.6733

Details

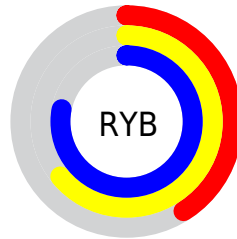
The RYB color **105, 162, 198** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **198, 105, 139**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **161, 219, 255**, and **47, 105, 144** is the 20% darker color. If you saturate the color by 10%, you get **85, 154, 198**, and if you desaturate by 10%, it is **125, 170, 198**.

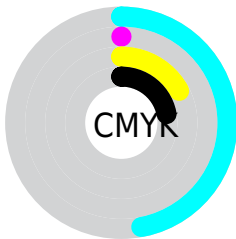
Distribution



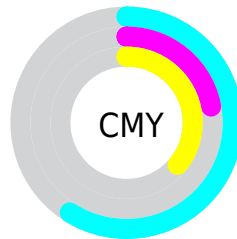
- Red (41%)
- Green (78%)
- Blue (64%)



- Red (41%)
- Yellow (64%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)



- Cyan (59%)
- Magenta (22%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 162, 198 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, 162, 198 by changing the saturation by 10% instead.

 105, 162, 198

255, 255, 255


 161, 219, 255

 190, 225, 255

 219, 237, 255

 248, 252, 255

 105, 162, 198

 77, 134, 170

 47, 105, 144

 4, 69, 117

 0, 54, 92


 0, 42, 68

 0, 30, 45

 0, 21, 21

 0, 0, 0

 105, 162, 198

 105, 162, 198

■ 85, 154, 198

■ 125, 170, 198

■ 65, 147, 198

■ 145, 178, 198

■ 46, 139, 198

■ 164, 185, 198

■ 26, 131, 198

■ 184, 193, 198

■ 6, 124, 198

■ 204, 198, 200

■ 0, 121, 198

■ 224, 198, 208

■ 244, 198, 215

■ 255, 198, 222

■ 255, 198, 229

Harmonies

Analogous

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



133, 193, 179



105, 162, 198



64, 132, 199

Triad

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



105, 162, 198



163, 176, 245



240, 173, 133

Complementary

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



105, 162, 198



198, 105, 139

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.



247, 155, 163



105, 162, 198



208, 165, 228

Square

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



105, 162, 198



108, 159, 246



237, 157, 198



192, 217, 115

Rectangle

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



105, 162, 198



54, 131, 220



237, 157, 198



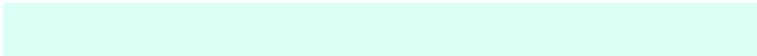
244, 162, 142

Sweetspot

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



105, 162, 198



219, 241, 255



105, 198, 162



106, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



105, 162, 198



112, 200, 255



105, 149, 198



90, 95, 99



0, 100, 163



0, 22, 36

Inverse Universe

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



198, 105, 139



255, 112, 165



198, 117, 105



99, 90, 93



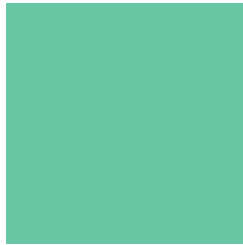
163, 0, 60



36, 0, 13

Previews

White Background



This preview shows how the RYB color 105, 162, 198 looks on a white background.

Color Contrast Check

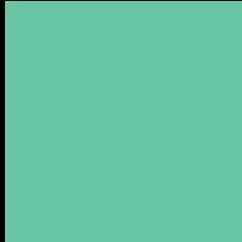
Large Text (above 18pt) WCAG AA × Fail

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, 162, 198 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, 162, 198 Background



This preview shows how black text looks on a background with the RYB color 105, 162, 198.

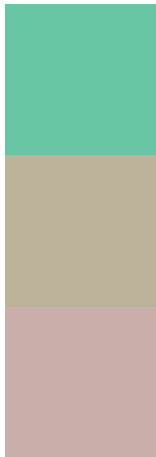


This preview shows how white text looks on a background with the RYB color 105, 162, 198.

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
105, 162, 198

Protanopia
168, 189, 154

Deuteranopia
201, 175, 169



Tritanopia
117, 158, 207

Trichromacy



Original Color

105, 162, 198



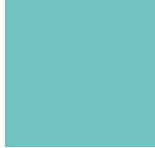
Protanomaly

158, 186, 186



Deuteranomaly

166, 182, 183



Tritanomaly

113, 154, 194

Monochromacy



Original Color

105, 162, 198



Achromatopsia

166, 166, 166



Achromatomaly

144, 165, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 105, 162, 198 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, 198, 164)` looks like.

```
.text, #text, p{  
    color:rgb(105, 198, 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(105, 198, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 198, 164) }
```

Border

The CSS property to change the border of an element to RYB 105, 162, 198 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, 198, 164) }
```

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

```
.border{ border-color:rgb(105, 198, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 198, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 198, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 198, 164);  
box-shadow:4px 4px 4px 4px rgb(105, 198,  
164) }
```

Background

The CSS property to change the background color of an element to RYB 105, 162, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 198, 164) }
```

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

```
.background{ background-color: rgb(105,  
198, 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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