

Converting Colors

`RYB(105, 155, 190)`

Have a look what the booklet for
RYB(105, 155, 190) contains.

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Color

R_YB(105, 155, 190)

Conversions

Conversions Part 1

Format	Color
Hex	69BEA5
RGB	105, 190, 165
RGB Percent	41%, 75%, 65%
CMY	0.5882, 0.2549, 0.3549
CMYK	0.45, 0.00, 0.13, 0.25
HSL	162°, 40%, 58%
HSV	162°, 45%, 75%
XYZ	30.9853, 42.5286, 41.9349
YIQ	161.7350, -42.6350, -25.7950

Conversions

Conversions Part 2

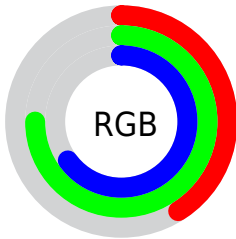
Format	Color
RYB	105, 155, 190
Decimal	6930085
CIELab	71.23, -31.89, 4.89
CIElCh	71, 32.262, 171.282
Yxy	42.5286, 0.2684, 0.3684
Android (android.graphics.Color)	4285120165 (0xFF69BEA5)
YUV	161.7350, 1.6096, -49.7566
Hunter-Lab	65.2140, -29.3133, 7.5242

Details

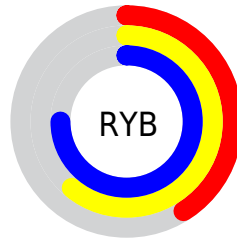
The RYB color **105, 155, 190** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **190, 105, 131**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **160, 211, 247**, and **49, 99, 136** is the 20% darker color. If you saturate the color by 10%, you get **86, 147, 190**, and if you desaturate by 10%, it is **124, 163, 190**.

Distribution



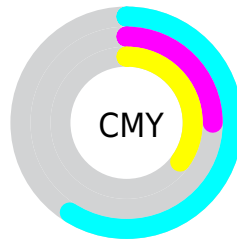
- Red (41%)
- Green (75%)
- Blue (65%)



- Red (41%)
- Yellow (61%)
- Blue (75%)



- Cyan (45%)
- Magenta (0%)
- Yellow (13%)
- Black (25%)



- Cyan (59%)
- Magenta (25%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 155, 190 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, 155, 190 by changing the saturation by 10% instead.

 105, 155, 190

255, 255, 255


 160, 212, 247

 189, 224, 255

 218, 237, 255

 247, 251, 255


 105, 155, 190

 77, 127, 163

 49, 99, 136

 12, 67, 110

 0, 48, 85


 0, 37, 62

 0, 26, 40

 0, 8, 8

 0, 0, 0

 105, 155, 190

 105, 155, 190

■ 86, 147, 190

■ 124, 163, 190

■ 67, 139, 190

■ 143, 171, 190

■ 48, 132, 190

■ 162, 178, 190

■ 29, 124, 190

■ 181, 186, 190

■ 10, 116, 190

■ 200, 190, 193

■ 0, 112, 190

■ 219, 190, 199

■ 238, 190, 204

■ 255, 190, 210

■ 255, 190, 216

Harmonies

Analogous

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



137, 186, 183



105, 155, 190



79, 136, 195

Triad

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



105, 155, 190



166, 170, 229



224, 174, 130

Complementary

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



105, 155, 190



190, 105, 131

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.



233, 153, 154



105, 155, 190



203, 160, 211

Square

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



105, 155, 190



122, 160, 232



227, 153, 184



169, 203, 116

Rectangle

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



105, 155, 190



78, 138, 212



227, 153, 184



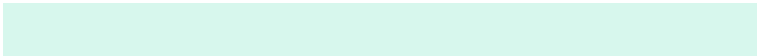
229, 163, 137

Sweetspot

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



105, 155, 190



215, 234, 247



105, 190, 164



105, 117, 125



252, 252, 252



125, 125, 125

Same Dimension

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



105, 155, 190



114, 192, 247



105, 143, 190



85, 90, 94



0, 93, 158



0, 18, 31

Inverse Universe

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



190, 105, 131



247, 114, 154



190, 126, 105



94, 85, 88



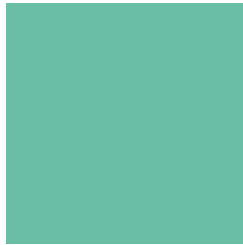
158, 0, 47



31, 0, 9

Previews

White Background



This preview shows how the RYB color 105, 155, 190 looks on a white background.

Color Contrast Check

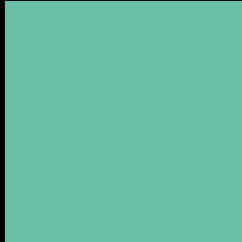
Large Text (above 18pt) WCAG AA × Fail

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, 155, 190 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, 155, 190 Background



This preview shows how black text looks on a background with the RYB color 105, 155, 190.

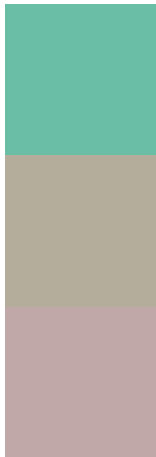


This preview shows how white text looks on a background with the RYB color 105, 155, 190.

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](#).

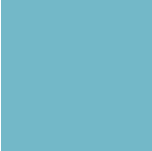
Dichromacy



Original Color
105, 155, 190

Protanopia
167, 181, 155

Deuteranopia
192, 168, 169



Tritanopia
115, 153, 200

Trichromacy



Original Color

105, 155, 190



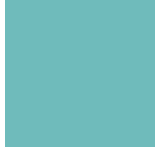
Protanomaly

153, 175, 179



Deuteranomaly

160, 171, 176



Tritanomaly

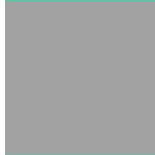
111, 149, 187

Monochromacy



Original Color

105, 155, 190



Achromatopsia

162, 162, 162



Achromatomaly

141, 159, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 105, 155, 190 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, 190, 165)` looks like.

```
.text, #text, p{  
    color:rgb(105, 190, 165)  
}
```

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, 190, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 190, 165) }
```

Border

The CSS property to change the border of an element to RYB 105, 155, 190 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, 190, 165) }
```

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

```
.border{ border-color:rgb(105, 190, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 190, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 190, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 190, 165);  
box-shadow:4px 4px 4px 4px rgb(105, 190,  
165) }
```

Background

The CSS property to change the background color of an element to RYB 105, 155, 190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 190, 165) }
```

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

```
.background{ background-color: rgb(105,  
190, 165) }
```

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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