

Converting Colors

`RYB(105, 161, 214)`

Have a look what the booklet for
RYB(105, 161, 214) contains.

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Color

R_YB(105, 161, 214)

Conversions

Conversions Part 1

Format	Color
Hex	69D6D0
RGB	105, 214, 208
RGB Percent	41%, 84%, 82%
CMY	0.5882, 0.1608, 0.1837
CMYK	0.51, 0.00, 0.03, 0.16
HSL	177°, 57%, 63%
HSV	177°, 51%, 84%
XYZ	41.2772, 55.6584, 68.3458
YIQ	180.7250, -63.0380, -24.9740

Conversions

Conversions Part 2

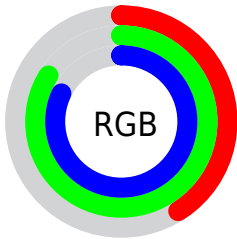
Format	Color
RYB	105, 161, 214
Decimal	6936272
CIELab	79.42, -32.65, -6.73
CIELCh	79, 33.334, 191.644
Yxy	55.6584, 0.2497, 0.3367
Android (android.graphics.Color)	4285126352 (0xFF69D6D0)
YUV	180.7250, 13.4466, -66.4108
Hunter-Lab	74.6045, -31.7974, -2.0929

Details

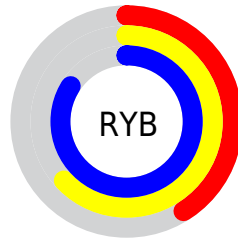
The RYB color **105, 161, 214** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **214, 105, 111**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **164, 210, 255**, and **39, 100, 159** is the 20% darker color. If you saturate the color by 10%, you get **84, 151, 214**, and if you desaturate by 10%, it is **126, 171, 214**.

Distribution



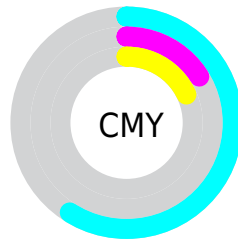
- Red (41%)
- Green (84%)
- Blue (82%)



- Red (41%)
- Yellow (63%)
- Blue (84%)



- Cyan (51%)
- Magenta (0%)
- Yellow (3%)
- Black (16%)




- Cyan (59%)
- Magenta (16%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 105, 161, 214 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, 161, 214 by changing the saturation by 10% instead.

 105, 161, 214

255, 255, 255


 164, 210, 255


 193, 224, 255

 223, 239, 255

253, 254, 255

 105, 161, 214


 74, 131, 186

 39, 100, 159

 0, 67, 132

 0, 55, 107

 0, 42, 82

 0, 30, 58


 0, 19, 37

 0, 1, 14


 0, 0, 0

 105, 161, 214


 105, 161, 214

 84, 151, 214


 126, 171, 214

 62, 140, 214


 148, 182, 214

 41, 130, 214

 169, 192, 214

 19, 119, 214

 191, 203, 214

 0, 110, 214

 212, 213, 214

 233, 214, 215

 255, 214, 216

 255, 214, 217

 255, 214, 218

Harmonies

Analogous

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



136, 186, 212



105, 161, 214



99, 161, 237

Triad

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



105, 161, 214



216, 185, 243



229, 235, 138

Complementary

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



105, 161, 214



214, 105, 111

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.



254, 185, 157



105, 161, 214



246, 176, 217

Square

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



105, 161, 214



174, 191, 255



255, 174, 186



144, 206, 136

Rectangle

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



105, 161, 214



116, 171, 251



255, 174, 186



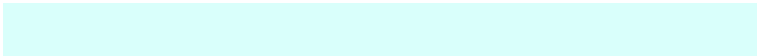
243, 215, 143

Sweetspot

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



105, 161, 214



217, 237, 255



105, 214, 207



105, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



105, 161, 214



99, 179, 255



105, 145, 214



96, 102, 107



0, 88, 171



0, 22, 43

Inverse Universe

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



214, 105, 111



255, 99, 108



214, 188, 105



107, 96, 97



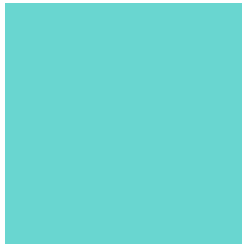
171, 0, 9



43, 0, 2

Previews

White Background



This preview shows how the RYB color 105, 161, 214 looks on a white background.

Color Contrast Check

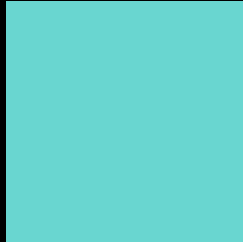
Large Text (above 18pt) WCAG AA × Fail

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, 161, 214 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

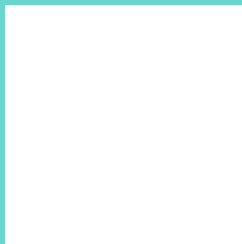
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 105, 161, 214 Background



This preview shows how black text looks on a background with the RYB color 105, 161, 214.

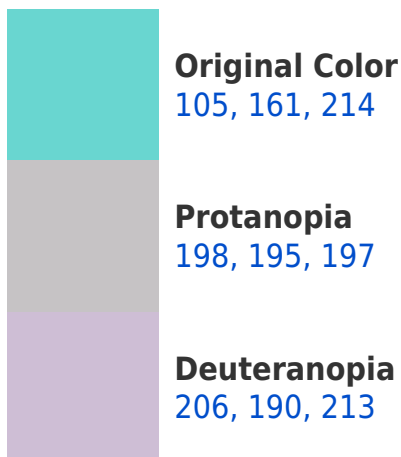


This preview shows how white text looks on a background with the RYB color 105, 161, 214.

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
112, 165, 228

Trichromacy



Original Color
105, 161, 214



Protanomaly
164, 183, 202



Deuteranomaly
169, 187, 211

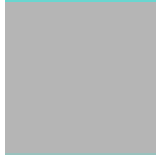


Tritanomaly
109, 163, 221

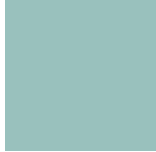
Monochromacy



Original Color
105, 161, 214



Achromatopsia
181, 181, 181



Achromatomaly
153, 174, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 105, 161, 214 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, 214, 208)` looks like.

```
.text, #text, p{  
    color:rgb(105, 214, 208)  
}
```

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, 214, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 214, 208) }
```

Border

The CSS property to change the border of an element to RYB 105, 161, 214 is called "border". The border property can be set on classes, ids or directly on the HTML element.

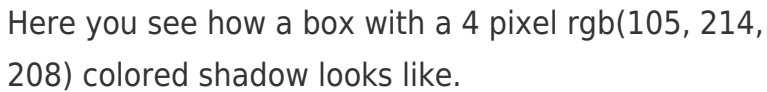
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 214, 208) }
```

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

```
.border{ border-color:rgb(105, 214, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 214, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 214, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 214, 208); box-shadow:4px 4px 4px 4px rgb(105, 214, 208) }
```

Background

The CSS property to change the background color of an element to RYB 105, 161, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 214, 208) }
```

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

```
.background{ background-color: rgb(105,  
214, 208) }
```

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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