

Converting Colors

`RYB(115, 166, 210)`

Have a look what the booklet for
RYB(115, 166, 210) contains.

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Color

R_YB(115, 166, 210)

Conversions

Conversions Part 1

Format	Color
Hex	73D2C5
RGB	115, 210, 197
RGB Percent	45%, 82%, 77%
CMY	0.5490, 0.1765, 0.2276
CMYK	0.45, 0.00, 0.06, 0.18
HSL	172°, 51%, 64%
HSV	172°, 45%, 82%
XYZ	40.1904, 53.7674, 61.0597
YIQ	180.1130, -52.4470, -24.1830

Conversions

Conversions Part 2

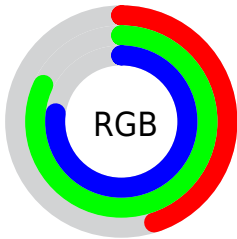
Format	Color
RYB	115, 166, 210
Decimal	7590597
CIELab	78.33, -31.29, -2.30
CIElCh	78, 31.374, 184.199
Yxy	53.7674, 0.2593, 0.3468
Android (android.graphics.Color)	4285780677 (0xFF73D2C5)
YUV	180.1130, 8.3253, -57.1041
Hunter-Lab	73.3263, -30.4846, 1.9569

Details

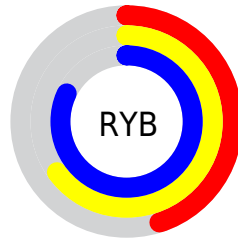
The RYB color **115, 166, 210** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **210, 115, 128**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **172, 214, 255**, and **57, 109, 155** is the 20% darker color. If you saturate the color by 10%, you get **94, 156, 210**, and if you desaturate by 10%, it is **136, 176, 210**.

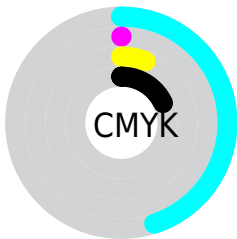
Distribution



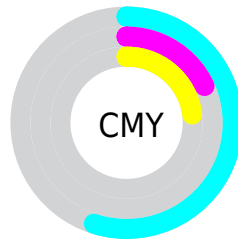
- Red (45%)
- Green (82%)
- Blue (77%)



- Red (45%)
- Yellow (65%)
- Blue (82%)



- Cyan (45%)
- Magenta (0%)
- Yellow (6%)
- Black (18%)



- Cyan (55%)
- Magenta (18%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 115, 166, 210 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 115, 166, 210 by changing the saturation by 10% instead.

 115, 166, 210


255, 255, 255


 172, 214, 255

 201, 228, 255

 230, 243, 255

 115, 166, 210

 86, 137, 182

 57, 109, 155

 18, 76, 129

 0, 54, 103

 0, 42, 79

 0, 30, 55

 0, 20, 35

 0, 0, 0

 115, 166, 210

 115, 166, 210

■ 94, 156, 210

■ 136, 176, 210

■ 73, 147, 210

■ 157, 185, 210

■ 52, 137, 210

■ 178, 195, 210

■ 31, 127, 210

■ 199, 205, 210

■ 10, 117, 210

■ 220, 210, 211

■ 0, 113, 210

■ 241, 210, 214

■ 255, 210, 217

■ 255, 210, 220

■ 255, 210, 223

Harmonies

Analogous

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



145, 192, 208



115, 166, 210



103, 160, 225

Triad

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



115, 166, 210



203, 185, 242



236, 215, 142

Complementary

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



115, 166, 210



210, 115, 128

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.



251, 177, 162



115, 166, 210



235, 176, 220

Square

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



115, 166, 210



162, 186, 251



251, 172, 191



158, 210, 136

Rectangle

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



115, 166, 210



113, 167, 240



251, 172, 191



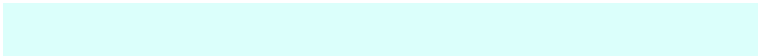
242, 197, 148

Sweetspot

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



115, 166, 210



219, 238, 255



115, 210, 196



106, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



115, 166, 210



117, 191, 255



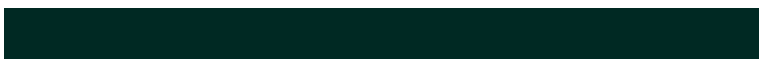
115, 153, 210



94, 100, 105



0, 90, 168



0, 22, 41

Inverse Universe

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



210, 115, 128



255, 117, 136



210, 166, 115



105, 94, 96



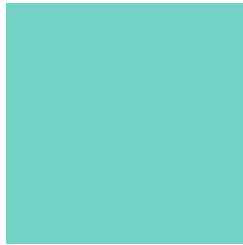
168, 0, 23



41, 0, 6

Previews

White Background



This preview shows how the RYB color 115, 166, 210 looks on a white background.

Color Contrast Check

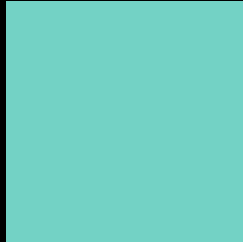
Large Text (above 18pt) WCAG AA × Fail

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 115, 166, 210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

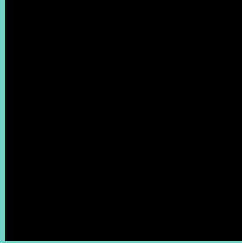
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

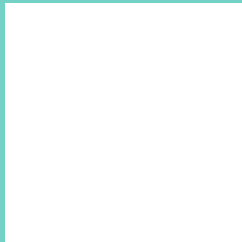
Any Text WCAG AAA ✓ Pass

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

RYB 115, 166, 210 Background



This preview shows how black text looks on a background with the RYB color 115, 166, 210.



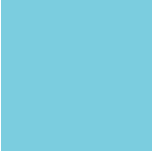
This preview shows how white text looks on a background with the RYB color 115, 166, 210.

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
123, 168, 223

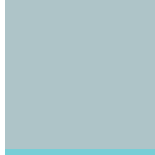
Trichromacy



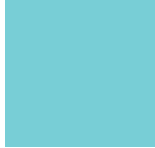
Original Color
115, 166, 210



Protanomaly
167, 185, 199



Deuteranomaly
174, 186, 200

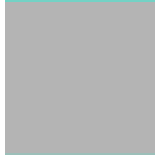


Tritanomaly
120, 165, 214

Monochromacy



Original Color
115, 166, 210



Achromatopsia
180, 180, 180



Achromatomaly
156, 175, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 115, 166, 210 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(115, 210, 197)` looks like.

```
.text, #text, p{  
    color:rgb(115, 210, 197)  
}
```

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(115, 210, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 210, 197) }
```

Border

The CSS property to change the border of an element to RYB 115, 166, 210 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(115, 210, 197) }
```

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

```
.border{ border-color:rgb(115, 210, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 210, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 210, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 210, 197); box-shadow:4px 4px 4px 4px rgb(115, 210, 197) }
```

Background

The CSS property to change the background color of an element to RYB 115, 166, 210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 210, 197) }
```

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

```
.background{ background-color: rgb(115,  
210, 197) }
```

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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