

Converting Colors

`RYB(104, 153, 206)`

Have a look what the booklet for RYB(104, 153, 206) contains.

RYB(104, 153, 206)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(104, 153, 206)

Conversions

Conversions Part 1

Format	Color
Hex	68C6CE
RGB	104, 198, 206
RGB Percent	41%, 78%, 81%
CMY	0.5922, 0.2223, 0.1922
CMYK	0.50, 0.04, 0.00, 0.19
HSL	185°, 51%, 61%
HSV	185°, 50%, 81%
XYZ	37.1127, 47.9256, 65.6870
YIQ	170.8060, -58.5920, -17.4400

Conversions

Conversions Part 2

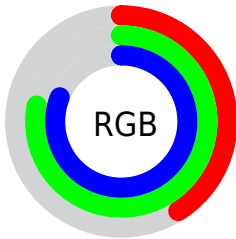
Format	Color
RYB	104, 153, 206
Decimal	6866638
CIELab	74.78, -25.83, -12.48
CIELCh	75, 28.688, 205.786
Yxy	47.9256, 0.2462, 0.3180
Android (android.graphics.Color)	4285056718 (0xFF68C6CE)
YUV	170.8060, 17.3506, -58.5889
Hunter-Lab	69.2283, -25.4574, -7.7973

Details

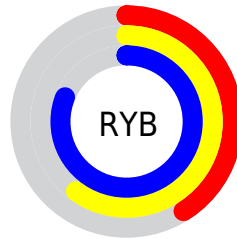
The RYB color **104, 153, 206** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **206, 113, 104**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **162, 209, 255**, and **41, 94, 152** is the 20% darker color. If you saturate the color by 10%, you get **83, 142, 206**, and if you desaturate by 10%, it is **125, 164, 206**.

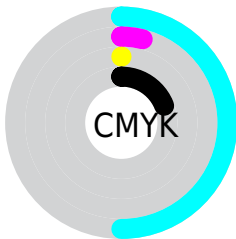
Distribution



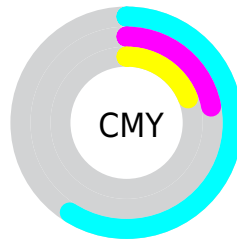
- Red (41%)
- Green (78%)
- Blue (81%)



- Red (41%)
- Yellow (60%)
- Blue (81%)



- Cyan (50%)
- Magenta (4%)
- Yellow (0%)
- Black (19%)



- Cyan (59%)
- Magenta (22%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 104, 153, 206 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 104, 153, 206 by changing the saturation by 10% instead.

 104, 153, 206

255, 255, 255


 162, 209, 255

 191, 223, 255

 220, 238, 255

 250, 253, 255

 104, 153, 206

 74, 124, 179


 41, 94, 152

 0, 61, 126

 0, 48, 101

 0, 36, 77

 0, 25, 54

 0, 15, 33

 0, 0, 8

 0, 0, 0

■ 104, 153, 206

■ 104, 153, 206

■ 83, 142, 206

■ 125, 164, 206

■ 63, 132, 206

■ 145, 174, 206

■ 42, 121, 206

■ 166, 185, 206

■ 22, 110, 206

■ 186, 196, 206

■ 1, 100, 206

■ 207, 206, 206

■ 0, 99, 206

■ 228, 208, 206

■ 248, 209, 206

■ 255, 212, 206

■ 255, 213, 206

Harmonies

Analogous

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



120, 165, 199



104, 153, 206



114, 161, 227

Triad

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



104, 153, 206



214, 170, 214



172, 207, 132

Complementary

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



104, 153, 206



206, 113, 104

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.



227, 189, 141



104, 153, 206



233, 165, 189

Square

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



104, 153, 206



183, 179, 231



237, 166, 162



136, 189, 146

Rectangle

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



104, 153, 206



133, 170, 235



237, 166, 162



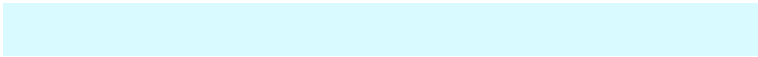
198, 214, 133

Sweetspot

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



104, 153, 206



217, 235, 255



104, 199, 206



105, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



104, 153, 206



105, 177, 255



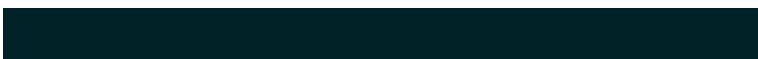
104, 135, 206



92, 97, 102



0, 80, 166



0, 18, 38

Inverse Universe

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



206, 104, 198



255, 105, 244



181, 206, 104



102, 92, 101



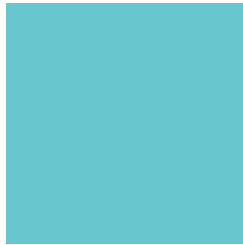
166, 0, 153



38, 0, 35

Previews

White Background



This preview shows how the RYB color 104, 153, 206 looks on a white background.

Color Contrast Check

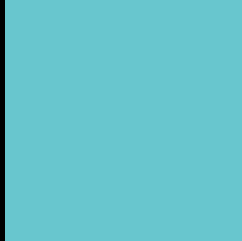
Large Text (above 18pt) WCAG AA × Fail

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 104, 153, 206 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 104, 153, 206 Background



This preview shows how black text looks on a background with the RYB color 104, 153, 206.

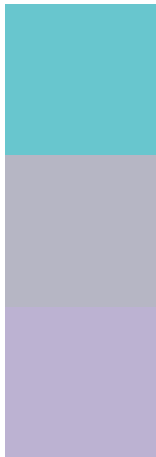


This preview shows how white text looks on a background with the RYB color 104, 153, 206.

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
104, 153, 206

Protanopia
182, 182, 196

Deuteranopia
188, 178, 210



Tritanopia
106, 155, 213

Trichromacy



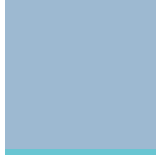
Original Color

104, 153, 206



Protanomaly

154, 174, 200



Deuteranomaly

157, 175, 209



Tritanomaly

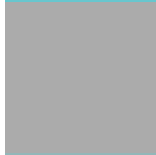
105, 154, 210

Monochromacy



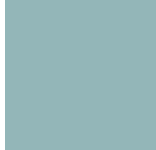
Original Color

104, 153, 206



Achromatopsia

171, 171, 171



Achromatomaly

147, 165, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 104, 153, 206 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(104, 198, 206)` looks like.

```
.text, #text, p{  
    color:rgb(104, 198, 206)  
}
```

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(104, 198, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 198, 206) }
```

Border

The CSS property to change the border of an element to RYB 104, 153, 206 is called "border". The border property can be set on classes, ids or directly on the HTML element.

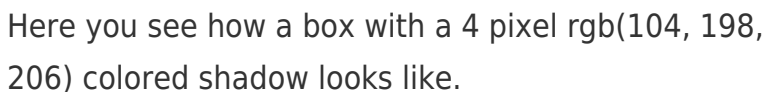
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(104, 198, 206) }
```

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

```
.border{ border-color:rgb(104, 198, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(104, 198, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(104, 198, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(104, 198, 206); box-shadow:4px 4px 4px 4px rgb(104, 198, 206) }
```

Background

The CSS property to change the background color of an element to RYB 104, 153, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 198, 206) }
```

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

```
.background{ background-color: rgb(104,  
198, 206) }
```

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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