

Converting Colors

`RYB(2, 104, 212)`

Have a look what the booklet for
RYB(2, 104, 212) contains.

RYB(2, 104, 212)	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

RYB(2, 104, 212)

Conversions

Conversions Part 1

Format	Color
Hex	02C8D4
RGB	2, 200, 212
RGB Percent	1%, 78%, 83%
CMY	0.9922, 0.2144, 0.1686
CMYK	0.99, 0.06, 0.00, 0.17
HSL	183°, 98%, 42%
HSV	183°, 99%, 83%
XYZ	32.6403, 46.2295, 69.4902
YIQ	142.1660, -121.8600, -38.2440

Conversions

Conversions Part 2

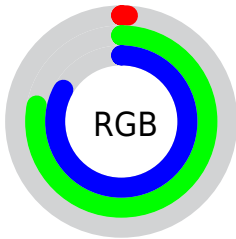
Format	Color
R_{YB}	2, 104, 212
Decimal	182484
CIE Lab	73.69, -36.47, -17.55
CIE LCh	74, 40.475, 205.694
Yxy	46.2295, 0.2200, 0.3116
Android (android.graphics.Color)	4278372564 (0xFF02C8D4)
YUV	142.1660, 34.4282, -122.9256
Hunter-Lab	67.9923, -33.2961, -13.0016

Details

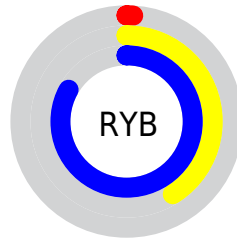
The RYB color **2, 104, 212** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **212, 15, 2**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **107, 181, 255**, and **0, 75, 157** is the 20% darker color. If you saturate the color by 10%, you get **0, 103, 212**, and if you desaturate by 10%, it is **23, 115, 212**.

Distribution



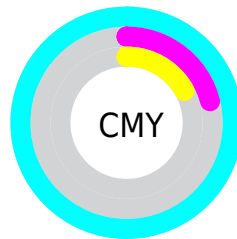
- Red (1%)
- Green (78%)
- Blue (83%)



- Red (1%)
- Yellow (41%)
- Blue (83%)



- Cyan (99%)
- Magenta (6%)
- Yellow (0%)
- Black (17%)




















- Cyan (99%)
- Magenta (21%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 2, 104, 212 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 2, 104, 212 by changing the saturation by 10% instead.

 2, 104, 212	 2, 104, 212
 255, 255, 255	 0, 89, 184
 107, 181, 255	 0, 76, 157
 141, 198, 255	 0, 63, 131
 173, 214, 255	 0, 50, 106
 204, 230, 255	 0, 38, 82
 235, 245, 255	 0, 26, 59
	 0, 14, 37
	 0, 1, 15
	 0, 0, 0

■ 2, 104, 212

■ 2, 104, 212

■ 0, 103, 212

■ 23, 115, 212

■ 44, 126, 212

■ 66, 137, 212

■ 87, 148, 212

■ 108, 158, 212

■ 129, 169, 212

■ 150, 180, 212

■ 172, 191, 212

■ 193, 202, 212

Harmonies

Analogous

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



78, 147, 201



2, 104, 212



43, 129, 241

Triad

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



2, 104, 212



223, 160, 223



154, 210, 106

Complementary

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



2, 104, 212



212, 15, 2

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.



239, 189, 121



2, 104, 212



248, 152, 188

Square

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



2, 104, 212



177, 173, 248



253, 154, 151



113, 189, 129

Rectangle

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



2, 104, 212



94, 154, 252



253, 154, 151



193, 221, 109

Sweetspot

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



2, 104, 212



179, 216, 255



2, 202, 212



82, 104, 128



0, 0, 0



128, 128, 128

Same Dimension

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



2, 104, 212



0, 124, 255



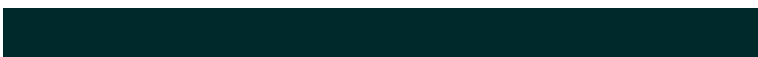
2, 67, 212



96, 102, 107



0, 83, 171



0, 21, 43

Inverse Universe

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



212, 2, 200



255, 0, 241



172, 212, 2



107, 96, 107



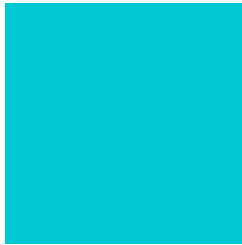
171, 0, 161



43, 0, 41

Previews

White Background



This preview shows how the RYB color 2, 104, 212 looks on a white background.

Color Contrast Check

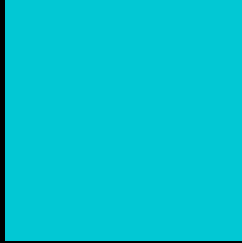
Large Text (above 18pt) WCAG AA × Fail

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 2, 104, 212 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 2, 104, 212 Background



This preview shows how black text looks on a background with the RYB color 2, 104, 212.

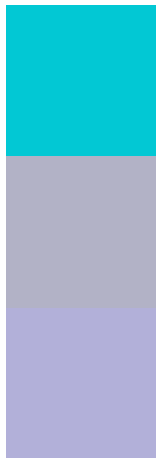


This preview shows how white text looks on a background with the RYB color 2, 104, 212.

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](#).

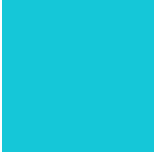
Dichromacy



Original Color
2, 104, 212

Protanopia
178, 178, 198

Deuteranopia
178, 176, 217



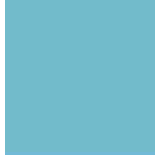
Tritanopia
21, 114, 216

Trichromacy



Original Color

2, 104, 212



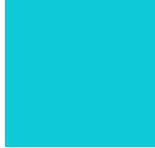
Protanomaly

114, 154, 203



Deuteranomaly

114, 156, 215



Tritanomaly

14, 111, 215

Monochromacy



Original Color

2, 104, 212



Achromatopsia

142, 142, 142



Achromatomaly

91, 128, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 2, 104, 212 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(2, 200, 212)` looks like.

```
.text, #text, p{  
    color:rgb(2, 200, 212)  
}
```

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(2, 200, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 200, 212) }
```

Border

The CSS property to change the border of an element to RYB 2, 104, 212 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(2, 200, 212) }
```

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

```
.border{ border-color:rgb(2, 200, 212) }
```

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

Here you see how a box with a 4 pixel rgb(2, 200, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 200, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 200, 212);  
box-shadow:4px 4px 4px 4px rgb(2, 200,  
212) }
```

Background

The CSS property to change the background color of an element to RGB 2, 104, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 200, 212) }
```

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

```
.background{ background-color: rgb(2, 200,  
212) }
```

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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