

Converting Colors

`RYB(38, 100, 179)`

Have a look what the booklet for
RYB(38, 100, 179) contains.

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Color

R_YB(38, 100, 179)

Conversions

Conversions Part 1

Format	Color
Hex	2695B3
RGB	38, 149, 179
RGB Percent	15%, 58%, 70%
CMY	0.8510, 0.4170, 0.2980
CMYK	0.79, 0.17, 0.00, 0.30
HSL	193°, 65%, 43%
HSV	193°, 79%, 70%
XYZ	19.6295, 25.0536, 46.4491
YIQ	119.2310, -75.7860, -14.2020

Conversions

Conversions Part 2

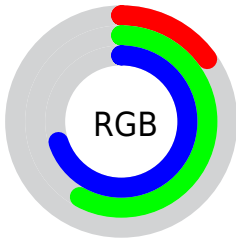
Format	Color
R_{YB}	38, 100, 179
Decimal	2528691
CIE _{Lab}	57.13, -19.66, -24.48
CIE _{LCh}	57, 31.393, 231.229
Yxy	25.0536, 0.2154, 0.2749
Android (android.graphics.Color)	4280718771 (0xFF2695B3)
YUV	119.2310, 29.4661, -71.2396
Hunter-Lab	50.0536, -17.5917, -19.9828

Details

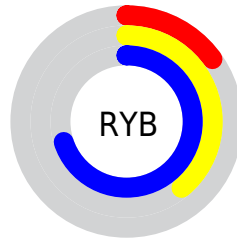
The RYB color **38, 100, 179** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **179, 76, 38**, and the grayscale version is **119, 119, 119**.

A 20% lighter version of the original color is **107, 162, 235**, and **0, 55, 126** is the 20% darker color. If you saturate the color by 10%, you get **20, 90, 179**, and if you desaturate by 10%, it is **56, 110, 179**.

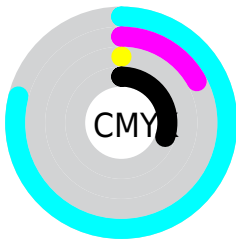
Distribution



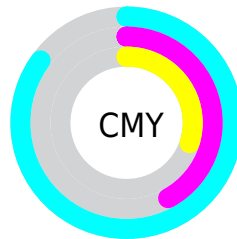
- Red (15%)
- Green (58%)
- Blue (70%)



- Red (15%)
- Yellow (39%)
- Blue (70%)



- Cyan (79%)
- Magenta (17%)
- Yellow (0%)
- Black (30%)



















- Cyan (85%)
- Magenta (42%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 38, 100, 179 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 38, 100, 179 by changing the saturation by 10% instead.

 38, 100, 179	 38, 100, 179
 255, 255, 255	 0, 68, 152
 106, 161, 235	 0, 55, 126
 136, 189, 255	 0, 43, 101
 166, 211, 255	 0, 31, 77
 196, 226, 255	 0, 20, 54
 226, 241, 255	 0, 2, 33
	 0, 0, 6
	 0, 0, 0

 38, 100, 179  38, 100, 179

■ 20, 90, 179

■ 56, 110, 179

■ 2, 80, 179

■ 74, 120, 179

■ 0, 79, 179

■ 92, 130, 179

■ 110, 140, 179

■ 128, 150, 179

■ 145, 160, 179

■ 163, 170, 179

■ 181, 179, 179

■ 199, 184, 179

Harmonies

Analogous

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



32, 93, 156



38, 100, 179



84, 122, 191

Triad

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



38, 100, 179



185, 117, 146



85, 142, 91

Complementary

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



38, 100, 179



179, 76, 38

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.



131, 163, 83



38, 100, 179



191, 117, 119

Square

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



38, 100, 179



164, 123, 172



182, 135, 96



102, 148, 146

Rectangle

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



38, 100, 179



115, 131, 191



182, 135, 96



90, 145, 83

Sweetspot

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



38, 100, 179



176, 201, 232



38, 156, 179



83, 98, 117



245, 245, 245



117, 117, 117

Same Dimension

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



38, 100, 179



12, 109, 232



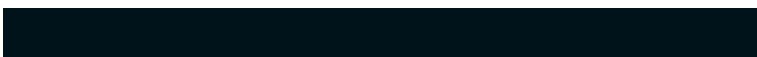
38, 70, 179



80, 84, 89



0, 67, 153



0, 11, 26

Inverse Universe

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



179, 38, 149



232, 12, 185



98, 179, 38



89, 80, 87



153, 0, 120



26, 0, 20

Previews

White Background



This preview shows how the RYB color 38, 100, 179 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 38, 100, 179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

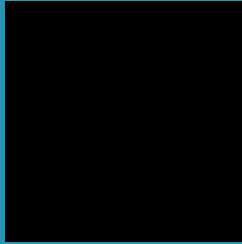
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

RYB 38, 100, 179 Background



This preview shows how black text looks on a background with the RYB color 38, 100, 179.

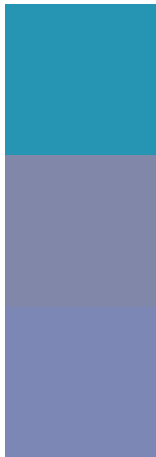


This preview shows how white text looks on a background with the RYB color 38, 100, 179.

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
38, 100, 179

Protanopia
128, 134, 169

Deuteranopia
124, 133, 182



Tritanopia
19, 88, 164

Trichromacy



Original Color
38, 100, 179

Protanomaly
95, 124, 173

Deuteranomaly
93, 123, 181

Tritanomaly
26, 92, 169

Monochromacy



Original Color
38, 100, 179

Achromatopsia
119, 119, 119

Achromatomaly
90, 112, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 38, 100, 179 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(38, 149, 179)` looks like.

```
.text, #text, p{  
    color:rgb(38, 149, 179)  
}
```

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(38, 149, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 149, 179) }
```

Border

The CSS property to change the border of an element to RYB 38, 100, 179 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(38, 149, 179) }
```

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

```
.border{ border-color:rgb(38, 149, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 149, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 149, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 149, 179);  
box-shadow:4px 4px 4px 4px rgb(38, 149,  
179) }
```

Background

The CSS property to change the background color of an element to RGB 38, 149, 179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 149, 179) }
```

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

```
.background{ background-color: rgb(38, 149,  
179) }
```

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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