

Converting Colors

`RYB(73, 136, 196)`

Have a look what the booklet for
RYB(73, 136, 196) contains.

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Color

$\text{RYB}(73, 136, 196)$

Conversions

Conversions Part 1

Format	Color
Hex	49C4BE
RGB	73, 196, 190
RGB Percent	29%, 77%, 75%
CMY	0.7137, 0.2314, 0.2543
CMYK	0.63, 0.00, 0.03, 0.23
HSL	177°, 51%, 53%
HSV	177°, 63%, 77%
XYZ	31.7975, 44.6203, 55.7338
YIQ	158.5390, -71.3820, -27.9420

Conversions

Conversions Part 2

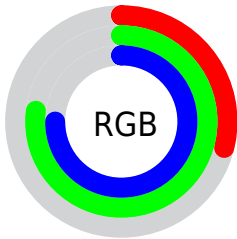
Format	Color
RYB	73, 136, 196
Decimal	4834494
CIELab	72.64, -34.97, -7.16
CIElCh	73, 35.699, 191.565
Yxy	44.6203, 0.2406, 0.3376
Android (android.graphics.Color)	4283024574 (0xFF49C4BE)
YUV	158.5390, 15.5103, -75.0177
Hunter-Lab	66.7984, -31.9274, -2.7102

Details

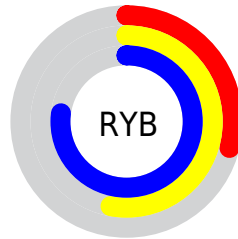
The RYB color **73, 136, 196** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **196, 73, 79**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **135, 196, 253**, and **0, 72, 142** is the 20% darker color. If you saturate the color by 10%, you get **53, 126, 196**, and if you desaturate by 10%, it is **93, 146, 196**.

Distribution



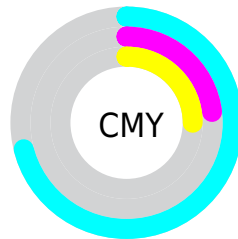
- Red (29%)
- Green (77%)
- Blue (75%)



- Red (29%)
- Yellow (53%)
- Blue (77%)



- Cyan (63%)
- Magenta (0%)
- Yellow (3%)
- Black (23%)




- Cyan (71%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 73, 136, 196 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 73, 136, 196 by changing the saturation by 10% instead.

 73, 136, 196


255, 255, 255


 135, 196, 253

 165, 210, 255

 195, 225, 255

 225, 240, 255

 73, 136, 196

 34, 102, 168

 0, 72, 142

 0, 59, 116


 0, 46, 90


 0, 34, 66

 0, 22, 43

 0, 10, 22

 0, 0, 0

 73, 136, 196

 73, 136, 196

■ 53, 126, 196

■ 93, 146, 196

■ 34, 117, 196

■ 112, 155, 196

■ 14, 107, 196

■ 132, 165, 196

■ 0, 100, 196

■ 151, 174, 196

■ 171, 184, 196

■ 191, 194, 196

■ 210, 196, 197

■ 230, 196, 198

■ 249, 196, 199

Harmonies

Analogous

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



112, 165, 194



73, 136, 196



61, 133, 220

Triad

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



73, 136, 196



198, 165, 227



212, 218, 117

Complementary

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



73, 136, 196



196, 73, 79

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.



238, 166, 136



73, 136, 196



229, 156, 200

Square

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



73, 136, 196



153, 172, 242



242, 153, 167



123, 188, 114

Rectangle

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



73, 136, 196



84, 146, 235



242, 153, 167



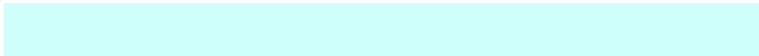
226, 198, 122

Sweetspot

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



73, 136, 196



207, 232, 255



73, 196, 190



98, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



73, 136, 196



64, 162, 255



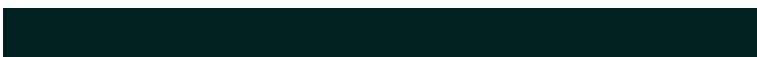
73, 117, 196



87, 92, 97



0, 83, 161



0, 17, 33

Inverse Universe

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



196, 73, 79



255, 64, 73



196, 172, 73



97, 87, 88



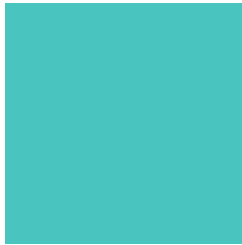
161, 0, 8



33, 0, 2

Previews

White Background



This preview shows how the RYB color 73, 136, 196 looks on a white background.

Color Contrast Check

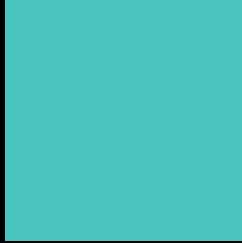
Large Text (above 18pt) WCAG AA × Fail

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 73, 136, 196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

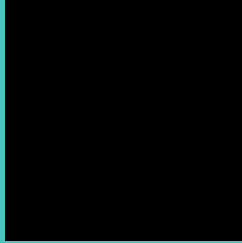
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

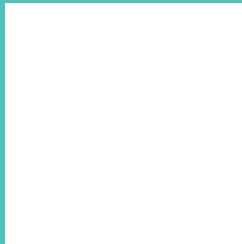
Any Text WCAG AAA ✓ Pass

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

RYB 73, 136, 196 Background



This preview shows how black text looks on a background with the RYB color 73, 136, 196.

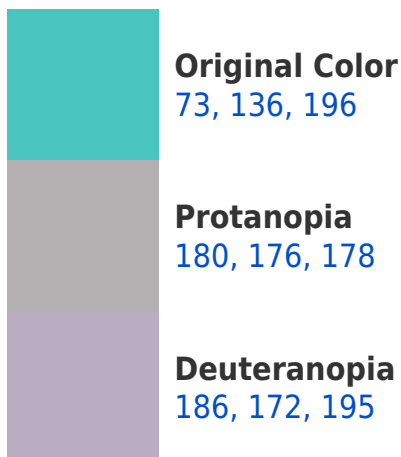


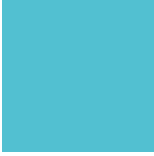
This preview shows how white text looks on a background with the RYB color 73, 136, 196.

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
82, 141, 209

Trichromacy



Original Color

73, 136, 196



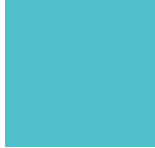
Protanomaly

141, 162, 183



Deuteranomaly

145, 166, 193



Tritanomaly

79, 138, 202

Monochromacy



Original Color

73, 136, 196



Achromatopsia

159, 159, 159



Achromatomaly

128, 151, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 73, 136, 196 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(73, 196, 190)` looks like.

```
.text, #text, p{  
    color:rgb(73, 196, 190)  
}
```

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(73, 196, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 196, 190) }
```

Border

The CSS property to change the border of an element to RYB 73, 136, 196 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(73, 196, 190) }
```

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

```
.border{ border-color:rgb(73, 196, 190) }
```

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

Here you see how a box with a 4 pixel rgb(73, 196, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 196, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 196, 190);  
box-shadow:4px 4px 4px 4px rgb(73, 196,  
190) }
```

Background

The CSS property to change the background color of an element to RGB 73, 136, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 196, 190) }
```

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

```
.background{ background-color: rgb(73, 196,  
190) }
```

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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