

Converting Colors

`RYB(74, 146, 196)`

Have a look what the booklet for
RYB(74, 146, 196) contains.

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Color

$\text{RYB}(74, 146, 196)$

Conversions

Conversions Part 1

Format	Color
Hex	4AC49F
RGB	74, 196, 159
RGB Percent	29%, 77%, 62%
CMY	0.7098, 0.2314, 0.3776
CMYK	0.62, 0.00, 0.19, 0.23
HSL	162°, 51%, 53%
HSV	162°, 62%, 77%
XYZ	28.7979, 43.4293, 39.5395
YIQ	155.3040, -60.8350, -37.3710

Conversions

Conversions Part 2

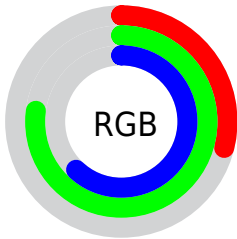
Format	Color
RYB	74, 146, 196
Decimal	4899999
CIELab	71.85, -42.82, 8.77
CIELCh	72, 43.709, 168.426
Yxy	43.4293, 0.2577, 0.3886
Android (android.graphics.Color)	4283090079 (0xFF4AC49F)
YUV	155.3040, 1.8221, -71.3036
Hunter-Lab	65.9009, -37.3242, 10.5575

Details

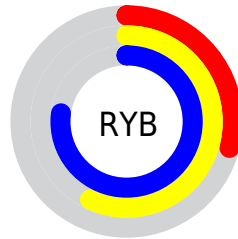
The RYB color **74, 146, 196** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **196, 74, 111**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **134, 205, 253**, and **0, 80, 141** is the 20% darker color. If you saturate the color by 10%, you get **54, 138, 196**, and if you desaturate by 10%, it is **94, 154, 196**.

Distribution



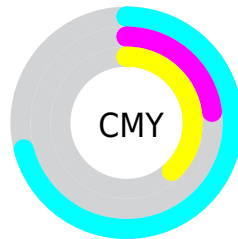
- Red (29%)
- Green (77%)
- Blue (62%)



- Red (29%)
- Yellow (57%)
- Blue (77%)



- Cyan (62%)
- Magenta (0%)
- Yellow (19%)
- Black (23%)




















- Cyan (71%)
- Magenta (23%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 74, 146, 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 74, 146, 196 by changing the saturation by 10% instead.

 74, 146, 196	 74, 146, 196
 255, 255, 255	 38, 113, 168
 134, 206, 253	 0, 80, 141
 164, 213, 255	 0, 67, 115
 193, 224, 255	 0, 54, 90
 223, 239, 255	 0, 41, 65
 253, 254, 255	 0, 30, 43
	 0, 12, 12
	 0, 0, 0
 74, 146, 196	 74, 146, 196

■ 54, 138, 196

■ 94, 154, 196

■ 35, 130, 196

■ 113, 162, 196

■ 15, 122, 196

■ 133, 170, 196

■ 0, 116, 196

■ 152, 178, 196

■ 172, 186, 196

■ 192, 194, 196

■ 211, 196, 201

■ 231, 196, 207

■ 250, 196, 213

Harmonies

Analogous

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



122, 191, 182



74, 146, 196



0, 99, 200

Triad

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



74, 146, 196



156, 169, 252



242, 169, 118

Complementary

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



74, 146, 196



196, 74, 111

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.



253, 145, 153



74, 146, 196



211, 157, 229

Square

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



74, 146, 196



81, 146, 254



243, 146, 193



175, 215, 97

Rectangle

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



74, 146, 196



0, 104, 224



243, 146, 193



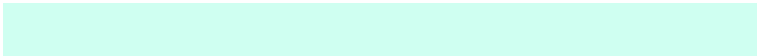
248, 155, 128

Sweetspot

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



74, 146, 196



207, 235, 255



74, 196, 157



98, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



74, 146, 196



64, 177, 255



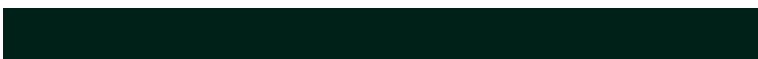
74, 129, 196



87, 93, 97



0, 95, 161



0, 19, 33

Inverse Universe

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



196, 74, 111



255, 64, 122



196, 101, 74



97, 87, 90



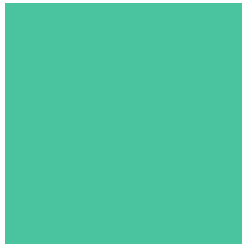
161, 0, 49



33, 0, 10

Previews

White Background



This preview shows how the RYB color 74, 146, 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 74, 146, 196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

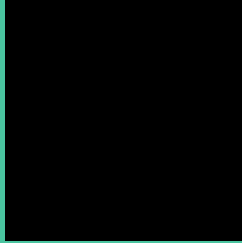
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

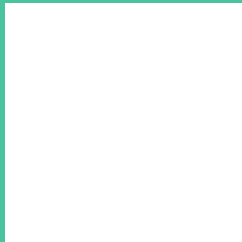
Any Text WCAG AAA ✓ Pass

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

RYB 74, 146, 196 Background



This preview shows how black text looks on a background with the RYB color 74, 146, 196.

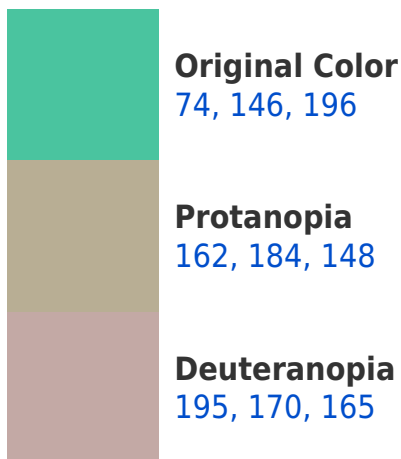


This preview shows how white text looks on a background with the RYB color 74, 146, 196.

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
91, 144, 205

Trichromacy



Original Color

74, 146, 196



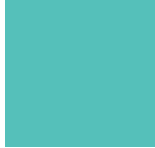
Protanomaly

144, 175, 182



Deuteranomaly

151, 171, 179



Tritanomaly

85, 140, 192

Monochromacy



Original Color

74, 146, 196



Achromatopsia

155, 155, 155



Achromatomaly

126, 152, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 74, 146, 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(74, 196, 159)` looks like.

```
.text, #text, p{  
    color:rgb(74, 196, 159)  
}
```

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(74, 196, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 196, 159) }
```

Border

The CSS property to change the border of an element to RYB 74, 146, 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(74, 196, 159) }
```

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

```
.border{ border-color:rgb(74, 196, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 196, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 196, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 196, 159);  
box-shadow:4px 4px 4px 4px rgb(74, 196,  
159) }
```

Background

The CSS property to change the background color of an element to RYB 74, 146, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 196, 159) }
```

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

```
.background{ background-color: rgb(74, 196,  
159) }
```

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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