

Converting Colors

`RYB(77, 145, 179)`

Have a look what the booklet for
RYB(77, 145, 179) contains.

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Color

RYB(77, 145, 179)

Conversions

Conversions Part 1

Format	Color
Hex	4DB380
RGB	77, 179, 128
RGB Percent	30%, 70%, 50%
CMY	0.6980, 0.2980, 0.4980
CMYK	0.57, 0.00, 0.28, 0.30
HSL	150°, 40%, 50%
HSV	150°, 57%, 70%
XYZ	23.0769, 35.3765, 26.0341
YIQ	142.6880, -44.4210, -37.4850

Conversions

Conversions Part 2

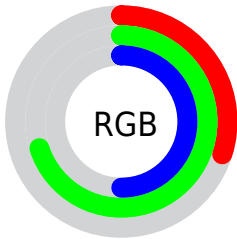
Format	Color
RYB	77, 145, 179
Decimal	5092224
CIELab	66.04, -41.70, 17.32
CIElCh	66, 45.151, 157.449
Yxy	35.3765, 0.2731, 0.4187
Android (android.graphics.Color)	4283282304 (0xFF4DB380)
YUV	142.6880, -7.2412, -57.6084
Hunter-Lab	59.4781, -34.8305, 15.6829

Details

The RYB color **77, 145, 179** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **179, 77, 128**, and the grayscale version is **143, 143, 143**.

A 20% lighter version of the original color is **134, 203, 235**, and **0, 77, 125** is the 20% darker color. If you saturate the color by 10%, you get **59, 139, 179**, and if you desaturate by 10%, it is **95, 151, 179**.

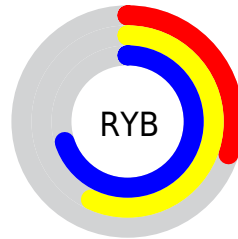
Distribution



Red (30%)

Green (70%)

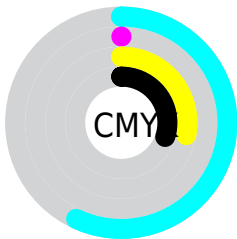
Blue (50%)



Red (30%)

Yellow (57%)

Blue (70%)

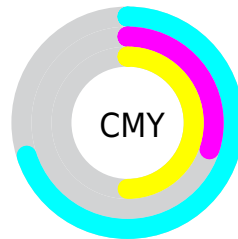


Cyan (57%)

Magenta (0%)

Yellow (28%)

Black (30%)



Cyan (70%)


Magenta (30%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the RYB color 77, 145, 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 77, 145, 179 by changing the saturation by 10% instead.

 77, 145, 179

 77, 145, 179

255, 255, 255

 46, 115, 152

 134, 203, 235

 0, 77, 125

 162, 224, 255

 0, 65, 100

 191, 228, 255

 0, 52, 75


 220, 238, 255


 0, 41, 51


 250, 253, 255


 0, 29, 29

 0, 0, 0

 77, 145, 179

 77, 145, 179

 59, 139, 179

 95, 151, 179

■ 41, 133, 179

■ 113, 157, 179

■ 23, 127, 179

■ 131, 163, 179

■ 5, 121, 179

■ 149, 169, 179

■ 0, 119, 179

■ 167, 175, 179

■ 184, 179, 182

■ 202, 179, 191

■ 220, 179, 200

■ 238, 179, 209

Harmonies

Analogous

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



94, 172, 134



77, 145, 179



0, 93, 181

Triad

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



77, 145, 179



112, 148, 241



233, 138, 113

Complementary

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



77, 145, 179



179, 77, 128

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.



237, 127, 152



77, 145, 179



177, 146, 225

Square

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



77, 145, 179



0, 100, 235



219, 132, 192



210, 206, 86

Rectangle

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



77, 145, 179



0, 94, 197



219, 132, 192



236, 130, 125

Sweetspot

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



77, 145, 179



193, 219, 232



77, 179, 128



94, 109, 117



245, 245, 245



117, 117, 117

Same Dimension

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



77, 145, 179



74, 179, 232



77, 128, 179



80, 86, 89



0, 102, 153



0, 17, 26

Inverse Universe

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



179, 77, 128



232, 74, 153



179, 77, 77



89, 80, 85



153, 0, 77



26, 0, 13

Previews

White Background



This preview shows how the RYB color 77, 145, 179 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 77, 145, 179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

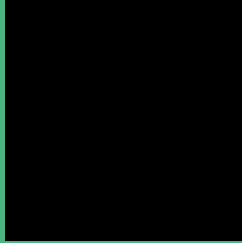
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

RYB 77, 145, 179 Background



This preview shows how black text looks on a background with the RYB color 77, 145, 179.

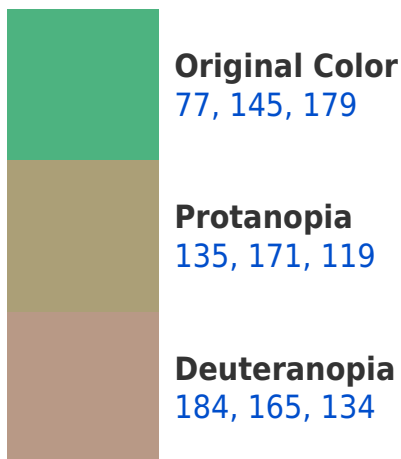


This preview shows how white text looks on a background with the RYB color 77, 145, 179.

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





Tritanopia
94, 136, 185

Trichromacy



Original Color

77, 145, 179



Protanomaly

122, 166, 151



Deuteranomaly

132, 162, 149



Tritanomaly

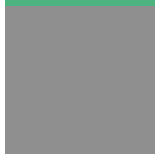
88, 134, 175

Monochromacy



Original Color

77, 145, 179



Achromatopsia

143, 143, 143



Achromatomaly

119, 143, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 77, 145, 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(77, 179, 128)` looks like.

```
.text, #text, p{  
    color:rgb(77, 179, 128)  
}
```

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(77, 179, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 179, 128) }
```

Border

The CSS property to change the border of an element to RYB 77, 145, 179 is called "border". The border property can be set on classes, ids or directly on the HTML element.

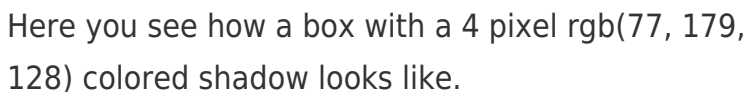
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(77, 179, 128) }
```

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

```
.border{ border-color:rgb(77, 179, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(77, 179, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(77, 179, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(77, 179, 128); box-shadow:4px 4px 4px 4px rgb(77, 179, 128) }
```

Background

The CSS property to change the background color of an element to RGB 77, 145, 179 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 179, 128) }
```

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

```
.background{ background-color: rgb(77, 179,  
128) }
```

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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