

Converting Colors

`RYB(77, 128, 172)`

Have a look what the booklet for
RYB(77, 128, 172) contains.

RYB(77, 128, 172)	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(77, 128, 172)`

Conversions

Conversions Part 1

Format	Color
Hex	4DAC9F
RGB	77, 172, 159
RGB Percent	30%, 67%, 62%
CMY	0.6980, 0.3255, 0.3766
CMYK	0.55, 0.00, 0.08, 0.33
HSL	172°, 38%, 49%
HSV	172°, 55%, 67%
XYZ	24.0677, 33.5847, 37.9970
YIQ	142.1130, -52.4470, -24.1830

Conversions

Conversions Part 2

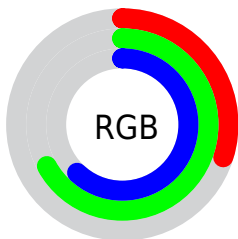
Format	Color
RYB	77, 128, 172
Decimal	5090463
CIELab	64.63, -31.22, -1.79
CIELCh	65, 31.275, 183.277
Yxy	33.5847, 0.2516, 0.3511
Android (android.graphics.Color)	4283280543 (0xFF4DAC9F)
YUV	142.1130, 8.3253, -57.1041
Hunter-Lab	57.9523, -27.2851, 1.6925

Details

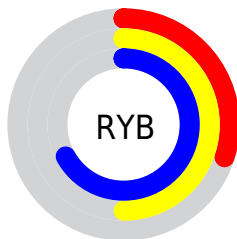
The RYB color **77, 128, 172** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **172, 77, 90**, and the grayscale version is **142, 142, 142**.

A 20% lighter version of the original color is **134, 185, 228**, and **0, 62, 119** is the 20% darker color. If you saturate the color by 10%, you get **60, 120, 172**, and if you desaturate by 10%, it is **94, 136, 172**.

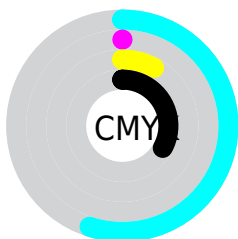
Distribution



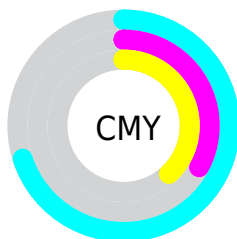
- Red (30%)
- Green (67%)
- Blue (62%)



- Red (30%)
- Yellow (50%)
- Blue (67%)



- Cyan (55%)
- Magenta (0%)
- Yellow (8%)
- Black (33%)




- Cyan (70%)
- Magenta (33%)
- Yellow (38%)


Brightness & Saturation Gradients

These gradients show how the RYB color 77, 128, 172 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, 128, 172 by changing the saturation by 10% instead.

 77, 128, 172

255, 255, 255


 134, 185, 228

 162, 212, 255

 191, 223, 255

 220, 238, 255


 250, 253, 255

 77, 128, 172


 46, 99, 145

 0, 62, 119


 0, 50, 94


 0, 38, 70


 0, 26, 47


 0, 15, 25

 0, 0, 0

 77, 128, 172

 60, 120, 172

 77, 128, 172

 94, 136, 172

■ 43, 112, 172

■ 111, 144, 172

■ 25, 104, 172

■ 129, 152, 172

■ 8, 96, 172

■ 146, 160, 172

■ 0, 92, 172

■ 163, 168, 172

■ 180, 172, 173

■ 197, 172, 175

■ 215, 172, 178

■ 232, 172, 180

Harmonies

Analogous

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



110, 154, 170



77, 128, 172



59, 119, 186

Triad

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



77, 128, 172



164, 148, 203



197, 174, 108

Complementary

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



77, 128, 172



172, 77, 90

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.



210, 140, 127



77, 128, 172



195, 140, 182

Square

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



77, 128, 172



123, 148, 212



210, 135, 155



123, 173, 101

Rectangle

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



77, 128, 172



69, 126, 201



210, 135, 155



202, 158, 113

Sweetspot

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



77, 128, 172



186, 206, 224



77, 172, 158



90, 102, 112



240, 240, 240



112, 112, 112

Same Dimension

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



77, 128, 172



76, 155, 224



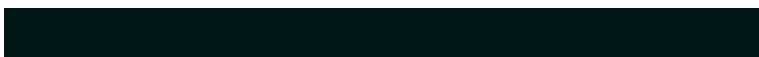
77, 115, 172



78, 83, 87



0, 80, 150



0, 12, 23

Inverse Universe

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



172, 77, 90



224, 76, 97



172, 128, 77



87, 78, 79



150, 0, 21



23, 0, 3

Previews

White Background



This preview shows how the RYB color 77, 128, 172 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, 128, 172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

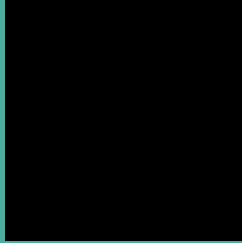
Any Text WCAG AA ✓ Pass

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, 128, 172 Background



This preview shows how black text looks on a background with the RYB color 77, 128, 172.



This preview shows how white text looks on a background with the RYB color 77, 128, 172.

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
85, 130, 182

Trichromacy



Original Color

77, 128, 172



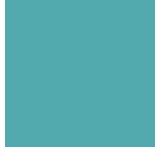
Protanomaly

130, 148, 161



Deuteranomaly

134, 147, 162



Tritanomaly

82, 127, 174

Monochromacy



Original Color

77, 128, 172



Achromatopsia

142, 142, 142



Achromatomaly

118, 137, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 77, 128, 172 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, 172, 159)` looks like.

```
.text, #text, p{  
    color:rgb(77, 172, 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(77, 172, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 172, 159) }
```

Border

The CSS property to change the border of an element to RYB 77, 128, 172 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, 172, 159) }
```

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

```
.border{ border-color:rgb(77, 172, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 172, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 172, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 172, 159);  
box-shadow:4px 4px 4px 4px rgb(77, 172,  
159) }
```

Background

The CSS property to change the background color of an element to RGB 77, 128, 172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 172, 159) }
```

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

```
.background{ background-color: rgb(77, 172,  
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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