

Converting Colors

`RYB(77, 181, 216)`

Have a look what the booklet for
RYB(77, 181, 216) contains.

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Color

R_YB(77, 181, 216)

Conversions

Conversions Part 1

Format	Color
Hex	4DD87C
RGB	77, 216, 124
RGB Percent	30%, 85%, 49%
CMY	0.6980, 0.1529, 0.5146
CMYK	0.64, 0.00, 0.43, 0.15
HSL	140°, 64%, 57%
HSV	140°, 64%, 85%
XYZ	31.2406, 52.1392, 27.4129
YIQ	163.9510, -53.3120, -58.0800

Conversions

Conversions Part 2

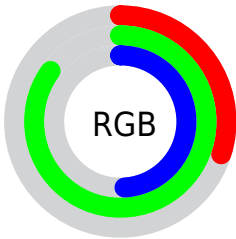
Format	Color
RYB	77, 181, 216
Decimal	5101692
CIELab	77.36, -57.37, 34.68
CIELCh	77, 67.039, 148.843
Yxy	52.1392, 0.2820, 0.4706
Android (android.graphics.Color)	4283291772 (0xFF4DD87C)
YUV	163.9510, -19.6958, -76.2560
Hunter-Lab	72.2075, -49.1350, 28.0363

Details

The RYB color **77, 181, 216** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **216, 77, 169**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **139, 226, 255**, and **0, 110, 160** is the 20% darker color. If you saturate the color by 10%, you get **55, 176, 216**, and if you desaturate by 10%, it is **99, 187, 216**.

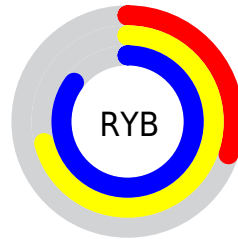
Distribution



Red (30%)

Green (85%)

Blue (49%)



Red (30%)

Yellow (71%)

Blue (85%)

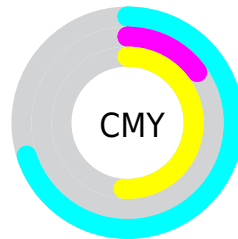


Cyan (64%)

Magenta (0%)

Yellow (43%)

Black (15%)



Cyan (70%)


Magenta (15%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the RYB color 77, 181, 216 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, 181, 216 by changing the saturation by 10% instead.

 77, 181, 216

 77, 181, 216

255, 255, 255

 39, 146, 188

 139, 226, 255

 0, 110, 160


 169, 230, 255


 0, 97, 133

 199, 233, 255

 0, 87, 107


 230, 243, 255


 0, 81, 81

 0, 57, 57

 0, 33, 33

 0, 0, 0

 77, 181, 216

 77, 181, 216

■ 55, 176, 216

■ 99, 187, 216

■ 34, 170, 216

■ 120, 192, 216

■ 12, 164, 216

■ 142, 197, 216

■ 0, 161, 216

■ 163, 203, 216

■ 185, 208, 216

■ 207, 214, 216

■ 228, 216, 224

■ 250, 216, 238

■ 255, 216, 253

Harmonies

Analogous

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



74, 205, 114



77, 181, 216



0, 120, 221

Triad

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



77, 181, 216



0, 112, 255



255, 141, 135

Complementary

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



77, 181, 216



216, 77, 169

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.



255, 134, 196



77, 181, 216



188, 176, 255

Square

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



77, 181, 216



0, 116, 255



255, 150, 255



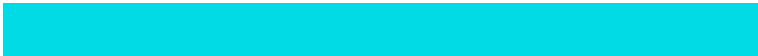
255, 234, 84

Rectangle

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



77, 181, 216



0, 112, 229



255, 150, 255



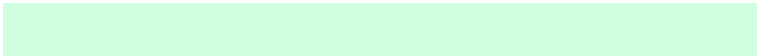
255, 137, 155

Sweetspot

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



77, 181, 216



207, 243, 255



77, 216, 123



98, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



77, 181, 216



59, 206, 255



77, 153, 216



96, 104, 107



0, 128, 171



0, 32, 43

Inverse Universe

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



216, 77, 169



255, 59, 189



216, 77, 100



107, 96, 103



171, 0, 113



43, 0, 29

Previews

White Background



This preview shows how the RYB color 77, 181, 216 looks on a white background.

Color Contrast Check

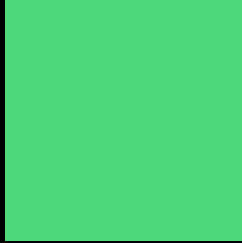
Large Text (above 18pt) WCAG AA × Fail

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, 181, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

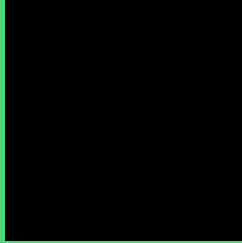
Any Text WCAG AA ✓ Pass

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](#).

R Y B 77, 181, 216 Background



This preview shows how black text looks on a background with the RYB color 77, 181, 216.

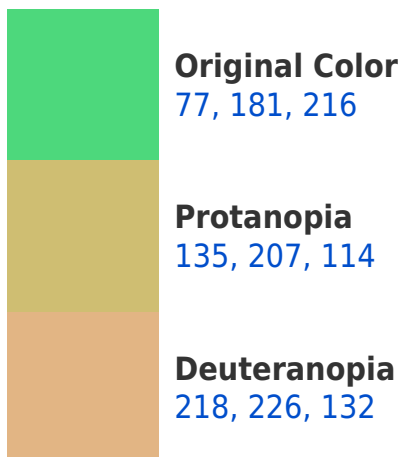


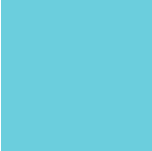
This preview shows how white text looks on a background with the RYB color 77, 181, 216.

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
107, 160, 221

Trichromacy



Original Color

77, 181, 216



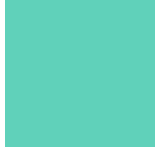
Protanomaly

118, 199, 157



Deuteranomaly

129, 194, 151



Tritanomaly

96, 159, 209

Monochromacy



Original Color

77, 181, 216



Achromatopsia

164, 164, 164



Achromatomaly

132, 170, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 77, 181, 216 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, 216, 124)` looks like.

```
.text, #text, p{  
    color:rgb(77, 216, 124)  
}
```

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, 216, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 216, 124) }
```

Border

The CSS property to change the border of an element to RYB 77, 181, 216 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, 216, 124) }
```

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

```
.border{ border-color:rgb(77, 216, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 216, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 216, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 216, 124);  
box-shadow:4px 4px 4px 4px rgb(77, 216,  
124) }
```

Background

The CSS property to change the background color of an element to RYB 77, 181, 216 is called "background".

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

```
.background, #background, body{  
background: rgb(77, 216, 124) }
```

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

```
.background{ background-color: rgb(77, 216,  
124) }
```

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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