

Converting Colors

`RYB(77, 185, 105)`

Have a look what the booklet for
RYB(77, 185, 105) contains.

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Color

R_YB(77, 185, 105)

Conversions

Conversions Part 1

Format	Color
Hex	9DB94D
RGB	157, 185, 77
RGB Percent	62%, 73%, 30%
CMY	0.3843, 0.2745, 0.6980
CMYK	0.15, 0.00, 0.58, 0.27
HSL	76°, 44%, 51%
HSV	76°, 58%, 73%
XYZ	32.5931, 42.4018, 13.4877
YIQ	164.3160, 17.9800, -39.5240

Conversions

Conversions Part 2

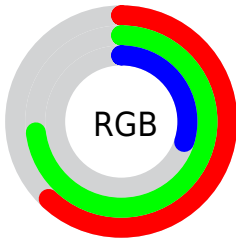
Format	Color
RYB	77, 185, 105
Decimal	10336589
CIELab	71.15, -25.66, 50.55
CIELCh	71, 56.695, 116.913
Yxy	42.4018, 0.3684, 0.4792
Android (android.graphics.Color)	4288526669 (0xFF9DB94D)
YUV	164.3160, -43.0468, -6.4161
Hunter-Lab	65.1167, -24.6088, 33.3009

Details

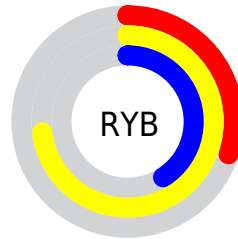
The RYB color **77, 185, 105** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **105, 77, 185**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **130, 241, 157**, and **22, 132, 51** is the 20% darker color. If you saturate the color by 10%, you get **58, 185, 91**, and if you desaturate by 10%, it is **96, 185, 119**.

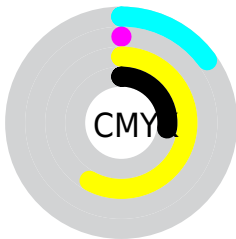
Distribution



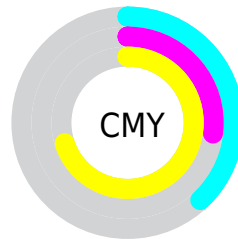
- Red (62%)
- Green (73%)
- Blue (30%)



- Red (30%)
- Yellow (73%)
- Blue (41%)



- Cyan (15%)
- Magenta (0%)
- Yellow (58%)
- Black (27%)



- Cyan (38%)
- Magenta (27%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 77, 185, 105 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, 185, 105 by changing the saturation by 10% instead.



77, 185, 105



77, 185, 105

255, 255, 255



51, 158, 79



130, 241, 157



22, 132, 51



157, 255, 169



0, 107, 30



184, 255, 184



0, 82, 31



213, 255, 213



0, 59, 35



242, 255, 242



0, 37, 37



0, 8, 8



0, 0, 0



77, 185, 105



77, 185, 105

■ 58, 185, 91

■ 96, 185, 119

■ 40, 185, 78

■ 114, 185, 132

■ 21, 185, 63

■ 133, 185, 147

■ 3, 185, 50

■ 151, 185, 160

■ 0, 185, 48

■ 170, 185, 174

■ 186, 185, 188

■ 191, 185, 206

■ 195, 185, 225

■ 200, 185, 244

Harmonies

Analogous

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



118, 208, 66



77, 185, 105



91, 176, 195

Triad

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



77, 185, 105



0, 110, 255



255, 129, 182

Complementary

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



77, 185, 105



105, 77, 185

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.



233, 142, 231



77, 185, 105



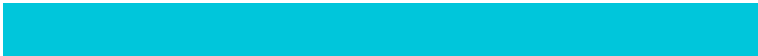
41, 126, 255

Square

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



77, 185, 105



0, 104, 219



168, 163, 255



255, 133, 130

Rectangle

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



77, 185, 105



0, 113, 198



168, 163, 255



255, 132, 199

Sweetspot

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



77, 185, 105



197, 240, 208



185, 113, 77



93, 120, 100



247, 247, 247



120, 120, 120

Same Dimension

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



77, 185, 105



72, 240, 116



77, 185, 158



83, 92, 86



0, 156, 41



0, 28, 7

Inverse Universe

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



105, 77, 185



115, 72, 240



158, 77, 185



85, 83, 92



40, 0, 156



7, 0, 28

Previews

White Background



This preview shows how the RYB color 77, 185, 105 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, 185, 105 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, 185, 105 Background



This preview shows how black text looks on a background with the RYB color 77, 185, 105.

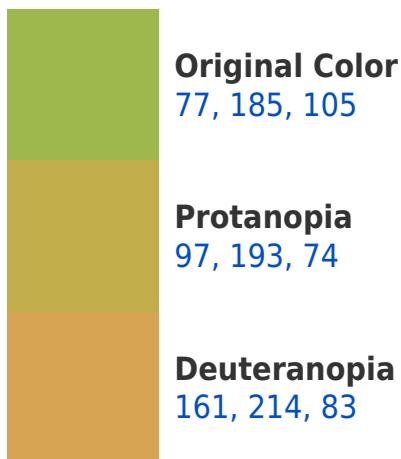


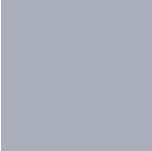
This preview shows how white text looks on a background with the RYB color 77, 185, 105.

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
170, 173, 187

Trichromacy



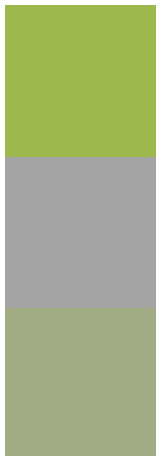
Original Color
77, 185, 105

Protanomaly
77, 180, 75

Deuteranomaly
107, 193, 81

Tritanomaly
147, 178, 160

Monochromacy



Original Color
77, 185, 105

Achromatopsia
164, 164, 164

Achromatomaly
132, 172, 143

CSS Examples

Text

The CSS property to change the color of the text to RYB 77, 185, 105 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(157, 185, 77)` looks like.

```
.text, #text, p{  
    color:rgb(157, 185, 77)  
}
```

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(157, 185, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 185, 77) }
```

Border

The CSS property to change the border of an element to RYB 77, 185, 105 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(157, 185, 77) }
```

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

```
.border{ border-color:rgb(157, 185, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 185, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 185, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 185, 77);  
box-shadow:4px 4px 4px 4px rgb(157, 185,  
77) }
```

Background

The CSS property to change the background color of an element to RYB 77, 185, 105 is called "background".

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

```
.background, #background, body{  
background: rgb(157, 185, 77) }
```

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

```
.background{ background-color: rgb(157,  
185, 77) }
```

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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