

Converting Colors

`RYB(90, 189, 208)`

Have a look what the booklet for
RYB(90, 189, 208) contains.

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Color

RYB(90, 189, 208)

Conversions

Conversions Part 1

Format	Color
Hex	5AD071
RGB	90, 208, 113
RGB Percent	35%, 82%, 44%
CMY	0.6471, 0.1843, 0.5582
CMYK	0.57, 0.00, 0.46, 0.18
HSL	132°, 56%, 58%
HSV	132°, 57%, 82%
XYZ	29.7331, 48.4697, 23.3071
YIQ	161.8880, -39.8330, -54.5610

Conversions

Conversions Part 2

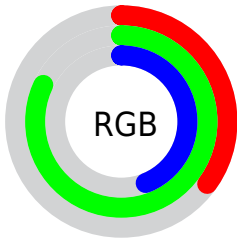
Format	Color
RYB	90, 189, 208
Decimal	5951601
CIELab	75.12, -53.34, 37.46
CIElCh	75, 65.182, 144.917
Yxy	48.4697, 0.2929, 0.4775
Android (android.graphics.Color)	4284141681 (0xFF5AD071)
YUV	161.8880, -24.1018, -63.0458
Hunter-Lab	69.6202, -45.6023, 28.8853

Details

The RYB color **90, 189, 208** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **208, 90, 185**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **149, 240, 255**, and **13, 115, 152** is the 20% darker color. If you saturate the color by 10%, you get **69, 185, 208**, and if you desaturate by 10%, it is **111, 193, 208**.

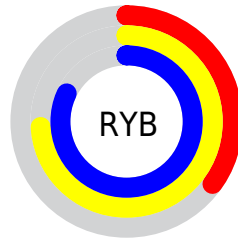
Distribution



Red (35%)

Green (82%)

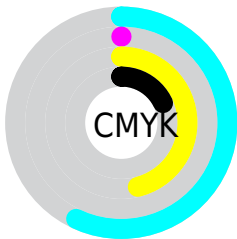
Blue (44%)



Red (35%)

Yellow (74%)

Blue (82%)

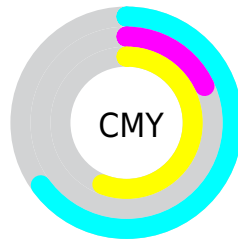


Cyan (57%)

Magenta (0%)

Yellow (46%)

Black (18%)



Cyan (65%)


Magenta (18%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the RYB color 90, 189, 208 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 90, 189, 208 by changing the saturation by 10% instead.


 90, 189, 208

 90, 189, 208

255, 255, 255

 58, 157, 180

 149, 240, 255

 13, 116, 152

 178, 242, 255

 0, 97, 126

 208, 244, 255

 0, 90, 100


 238, 248, 255


 0, 75, 75


 0, 51, 51


 0, 26, 26


 0, 0, 0

 90, 189, 208


 90, 189, 208

 69, 185, 208

 111, 193, 208

 48, 182, 208

 132, 196, 208

 28, 179, 208

 152, 199, 208

 7, 176, 208

 173, 202, 208

 0, 174, 208

 194, 206, 208

 215, 208, 213

 236, 208, 230

 255, 208, 247

 255, 208, 255

Harmonies

Analogous

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



68, 197, 97



90, 189, 208



0, 119, 214

Triad

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



90, 189, 208



0, 111, 255



255, 135, 138

Complementary

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



90, 189, 208



208, 90, 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.



255, 131, 198



90, 189, 208



169, 173, 255

Square

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



90, 189, 208



0, 115, 255



248, 148, 255



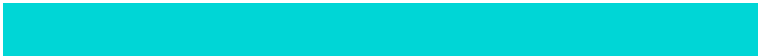
255, 201, 87

Rectangle

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



90, 189, 208



0, 107, 214



248, 148, 255



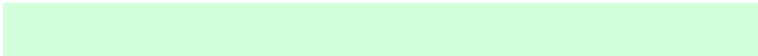
255, 131, 157

Sweetspot

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



90, 189, 208



212, 248, 255



90, 208, 112



102, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



90, 189, 208



82, 227, 255



90, 160, 208



94, 103, 105



0, 141, 168



0, 34, 41

Inverse Universe

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



208, 90, 185



255, 82, 222



208, 90, 127



105, 94, 103



168, 0, 136



41, 0, 33

Previews

White Background



This preview shows how the RYB color 90, 189, 208 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 90, 189, 208 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 90, 189, 208 Background



This preview shows how black text looks on a background with the RYB color 90, 189, 208.

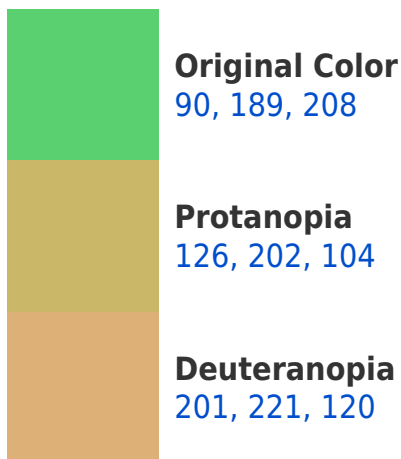


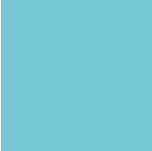
This preview shows how white text looks on a background with the RYB color 90, 189, 208.

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





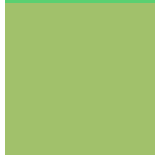
Tritanopia
116, 160, 213

Trichromacy



Original Color

90, 189, 208



Protanomaly

107, 193, 139



Deuteranomaly

117, 188, 132



Tritanomaly

107, 161, 201

Monochromacy



Original Color

90, 189, 208



Achromatopsia

162, 162, 162



Achromatomaly

136, 172, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 90, 189, 208 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(90, 208, 113)` looks like.

```
.text, #text, p{  
    color:rgb(90, 208, 113)  
}
```

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(90, 208, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 208, 113) }
```

Border

The CSS property to change the border of an element to RYB 90, 189, 208 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(90, 208, 113) }
```

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

```
.border{ border-color:rgb(90, 208, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 208, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 208, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 208, 113);  
box-shadow:4px 4px 4px 4px rgb(90, 208,  
113) }
```

Background

The CSS property to change the background color of an element to RGB 90, 189, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 208, 113) }
```

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

```
.background{ background-color: rgb(90, 208,  
113) }
```

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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