

Converting Colors

R_{YB}(66, 182, 73)

Have a look what the booklet for
RYB(66, 182, 73) contains.

RYB(66, 182, 73)	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(66, 182, 73)

Conversions

Conversions Part 1

Format	Color
Hex	AFB642
RGB	175, 182, 66
RGB Percent	69%, 71%, 26%
CMY	0.3137, 0.2863, 0.7412
CMYK	0.04, 0.00, 0.64, 0.29
HSL	64°, 47%, 49%
HSV	64°, 64%, 71%
XYZ	35.3905, 42.9632, 11.5817
YIQ	166.6830, 33.0640, -37.5600

Conversions

Conversions Part 2

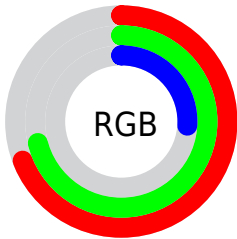
Format	Color
RYB	66, 182, 73
Decimal	11515458
CIELab	71.53, -17.57, 56.15
CIELCh	72, 58.838, 107.379
Yxy	42.9632, 0.3935, 0.4777
Android (android.graphics.Color)	4289705538 (0xFFAFB642)
YUV	166.6830, -49.6367, 7.2940
Hunter-Lab	65.5463, -18.3283, 35.4062

Details

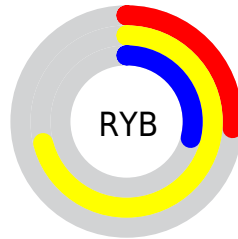
The RYB color **66, 182, 73** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **73, 66, 182**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **119, 238, 124**, and **0, 129, 10** is the 20% darker color. If you saturate the color by 10%, you get **48, 182, 56**, and if you desaturate by 10%, it is **84, 182, 90**.

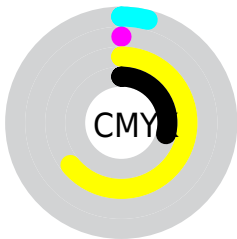
Distribution



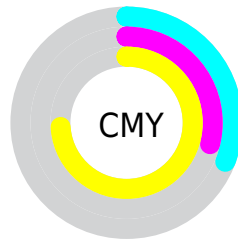
- Red (69%)
- Green (71%)
- Blue (26%)



- Red (26%)
- Yellow (71%)
- Blue (29%)



- Cyan (4%)
- Magenta (0%)
- Yellow (64%)
- Black (29%)




- Cyan (31%)
- Magenta (29%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the RYB color 66, 182, 73 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 66, 182, 73 by changing the saturation by 10% instead.


 66, 182, 73

 66, 182, 73

255, 255, 255

 38, 155, 46


 119, 238, 124

 0, 129, 10

 146, 255, 146

 0, 104, 11


 174, 255, 174

 0, 80, 13

 202, 255, 202

 0, 57, 16


 231, 255, 231

 0, 36, 21

 0, 10, 10

 0, 0, 0

 66, 182, 73

 66, 182, 73

■ 48, 182, 56

■ 84, 182, 90

■ 30, 182, 39

■ 102, 182, 107

■ 11, 182, 21

■ 121, 182, 125

■ 0, 182, 11

■ 139, 182, 142

■ 157, 182, 159

■ 175, 182, 175

■ 183, 182, 193

■ 184, 182, 212

■ 185, 182, 230

Harmonies

Analogous

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



163, 224, 66



66, 182, 73



99, 194, 180

Triad

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



66, 182, 73



0, 111, 253



255, 131, 200

Complementary

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



66, 182, 73



73, 66, 182

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.



218, 148, 248



66, 182, 73



0, 108, 255

Square

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



66, 182, 73



0, 102, 206



138, 163, 255



255, 129, 146

Rectangle

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



66, 182, 73



45, 143, 199



138, 163, 255



251, 135, 218

Sweetspot

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



66, 182, 73



192, 237, 195



182, 72, 66



92, 120, 94



247, 247, 247



120, 120, 120

Same Dimension

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



66, 182, 73



57, 237, 68



66, 182, 130



83, 92, 84



0, 156, 10



0, 28, 2

Inverse Universe

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



73, 66, 182



68, 57, 237



130, 66, 182



83, 83, 92



9, 0, 156



2, 0, 28

Previews

White Background



This preview shows how the RYB color 66, 182, 73 looks on a white background.

Color Contrast Check

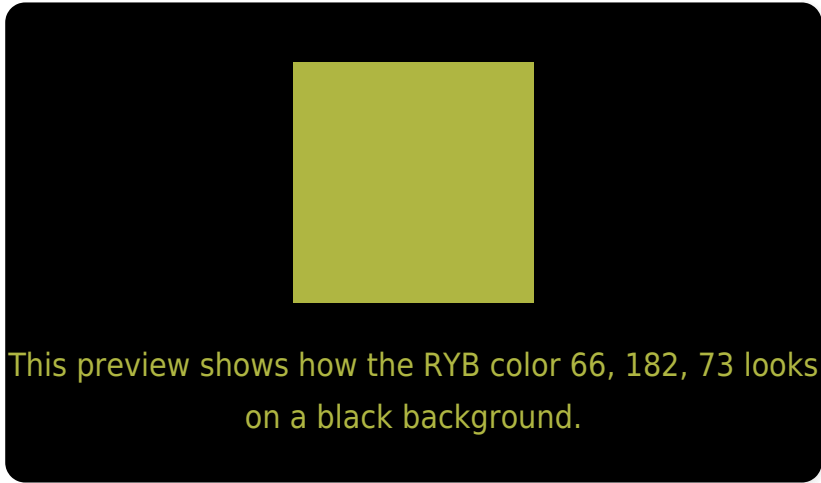
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 66, 182, 73 Background



This preview shows how black text looks on a background with the R Y B color 66, 182, 73.

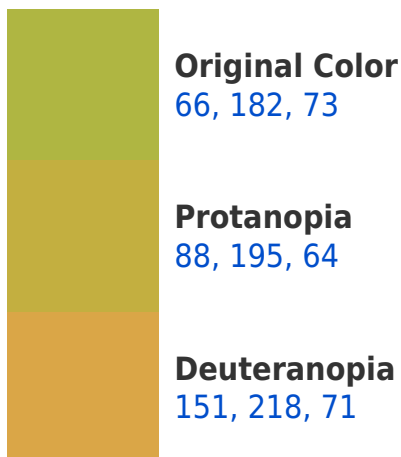


This preview shows how white text looks on a background with the R Y B color 66, 182, 73.

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
186, 170, 184

Trichromacy



Original Color
66, 182, 73

Protanomaly
76, 188, 65

Deuteranomaly
108, 202, 69

Tritanomaly
151, 182, 141

Monochromacy



Original Color
66, 182, 73

Achromatopsia
167, 167, 167

Achromatomaly
130, 172, 132

CSS Examples

Text

The CSS property to change the color of the text to RYB 66, 182, 73 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(175, 182, 66)` looks like.

```
.text, #text, p{  
    color:rgb(175, 182, 66)  
}
```

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(175, 182, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 182, 66) }
```

Border

The CSS property to change the border of an element to RYB 66, 182, 73 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(175, 182, 66) }
```

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

```
.border{ border-color:rgb(175, 182, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 182, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 182, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 182, 66);  
box-shadow:4px 4px 4px 4px rgb(175, 182,  
66) }
```

Background

The CSS property to change the background color of an element to RYB 66, 182, 73 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 182, 66) }
```

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

```
.background{ background-color: rgb(175,  
182, 66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor