

Converting Colors

`RYB(40, 215, 115)`

Have a look what the booklet for
RYB(40, 215, 115) contains.

RYB(40, 215, 115)	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(40, 215, 115)

Conversions

Conversions Part 1

Format	Color
Hex	8CD728
RGB	140, 215, 40
RGB Percent	55%, 84%, 16%
CMY	0.4510, 0.1569, 0.8431
CMYK	0.35, 0.00, 0.81, 0.16
HSL	86°, 69%, 50%
HSV	86°, 81%, 84%
XYZ	35.4987, 54.3295, 10.6232
YIQ	172.6250, 11.4750, -70.3250

Conversions

Conversions Part 2

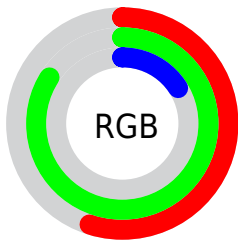
Format	Color
RYB	40, 215, 115
Decimal	9230120
CIELab	78.65, -47.91, 71.12
CIELCh	79, 85.757, 123.966
Yxy	54.3295, 0.3534, 0.5409
Android (android.graphics.Color)	4287420200 (0xFF8CD728)
YUV	172.6250, -65.3841, -28.6121
Hunter-Lab	73.7086, -43.0229, 43.0509

Details

The RYB color **40, 215, 115** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **115, 40, 215**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **102, 255, 158**, and **0, 160, 78** is the 20% darker color. If you saturate the color by 10%, you get **19, 215, 103**, and if you desaturate by 10%, it is **62, 215, 128**.

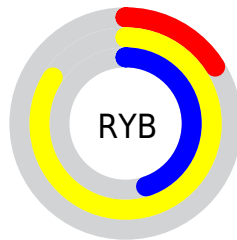
Distribution



Red (55%)

Green (84%)

Blue (16%)



Red (16%)

Yellow (84%)

Blue (45%)

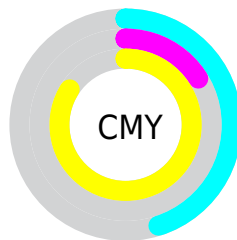


Cyan (35%)

Magenta (0%)

Yellow (81%)

Black (16%)



Cyan (45%)

Magenta (16%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the RYB color 40, 215, 115 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 40, 215, 115 by changing the saturation by 10% instead.



40, 215, 115



40, 215, 115

255, 255, 255



0, 187, 76



102, 255, 158



0, 160, 78



130, 255, 157



0, 133, 83



159, 255, 159



0, 107, 100



188, 255, 188



0, 82, 82



217, 255, 217



0, 58, 58



246, 255, 246



0, 36, 36



0, 0, 0



40, 215, 115



40, 215, 115

■ 19, 215, 103

■ 62, 215, 128

■ 0, 215, 92

■ 83, 215, 140

■ 105, 215, 152

■ 126, 215, 164

■ 148, 215, 177

■ 169, 215, 189

■ 191, 215, 201

■ 212, 215, 213

■ 223, 215, 234

Harmonies

Analogous

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



32, 223, 0



40, 215, 115



0, 148, 226

Triad

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



40, 215, 115



0, 118, 255



255, 110, 187

Complementary

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



40, 215, 115



115, 40, 215

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, 130, 255



40, 215, 115



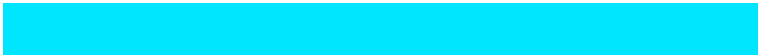
0, 112, 255

Square

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



40, 215, 115



0, 121, 255



207, 168, 255



255, 131, 110

Rectangle

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



40, 215, 115



0, 131, 230



207, 168, 255



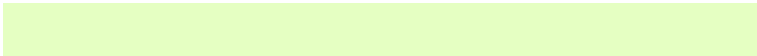
255, 113, 214

Sweetspot

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



40, 215, 115



194, 255, 220



215, 165, 40



91, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



40, 215, 115



5, 255, 112



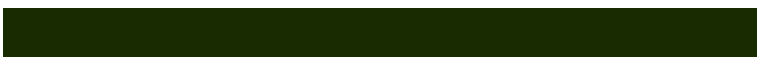
40, 215, 200



96, 107, 100



0, 171, 73



0, 43, 18

Inverse Universe

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



115, 40, 215



112, 5, 255



200, 40, 215



101, 96, 107



73, 0, 171



19, 0, 43

Previews

White Background



This preview shows how the RYB color 40, 215, 115 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 40, 215, 115 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 40, 215, 115 Background



This preview shows how black text looks on a background with the R Y B color 40, 215, 115.

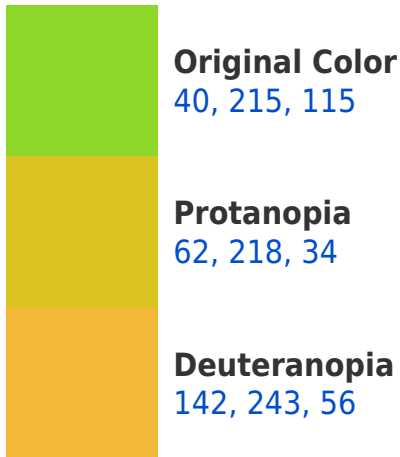


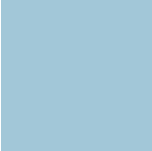
This preview shows how white text looks on a background with the R Y B color 40, 215, 115.

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
162, 184, 216

Trichromacy



Original Color
40, 215, 115

Protanomaly
36, 202, 48

Deuteranomaly
62, 206, 50

Tritanomaly
152, 205, 203

Monochromacy



Original Color
40, 215, 115

Achromatopsia
173, 173, 173

Achromatomaly
125, 188, 152

CSS Examples

Text

The CSS property to change the color of the text to RYB 40, 215, 115 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(140, 215, 40)` looks like.

```
.text, #text, p{  
    color:rgb(140, 215, 40)  
}
```

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(140, 215, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 215, 40) }
```

Border

The CSS property to change the border of an element to RYB 40, 215, 115 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(140, 215, 40) }
```

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

```
.border{ border-color:rgb(140, 215, 40) }
```

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

Here you see how a box with a 4 pixel rgb(140, 215, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 215, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 215, 40);  
box-shadow:4px 4px 4px 4px rgb(140, 215,  
40) }
```

Background

The CSS property to change the background color of an element to RYB 40, 215, 115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 215, 40) }
```

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

```
.background{ background-color: rgb(140,  
215, 40) }
```

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