Converting Colors

RYB(102, 255, 102)

Have a look what the booklet for RYB(102, 255, 102) contains.

Color

RYB(102, 255, 102)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF66
RGB	255, 255, 102
RGB Percent	100%, 100%, 40%
CMY	0.0000, 0.0000, 0.6000
CMYK	0.00, 0.00, 0.60, 0.00
HSL	60°, 100%, 70%
HSV	60°, 60%, 100%
XYZ	79.3983, 93.7393, 26.4791
YIQ	237.5580, 49.1130, -47.5830

Conversions

Conversions Part 2

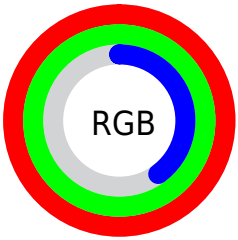
Format	Color
RYB	102, 255, 102
Decimal	16777062
CIELab	97.53, -18.44, 70.90
CIELCh	98, 73.258, 104.580
Yxy	93.7393, 0.3978, 0.4696
Android (android.graphics.Color)	4294967142 (0xFFFFFF66)
YUV	237.5580, -66.8301, 15.2966
Hunter-Lab	96.8191, -23.0511, 51.5581

Details

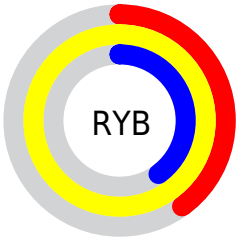
The RYB color 102, 255, 102 is a light color, and the websafe version is hex FFFF66, and the color name is laser lemon. A complement of this color would be 102, 102, 255, and the grayscale version is 238, 238, 238.

A 20% lighter version of the original color is 158, 255, 158, and 42, 198, 45 is the 20% darker color. If you saturate the color by 10%, you get 77, 255, 77, and if you desaturate by 10%, it is 128, 255, 128.

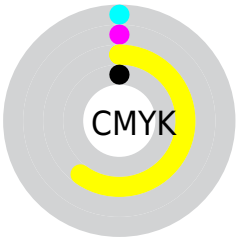
Distribution



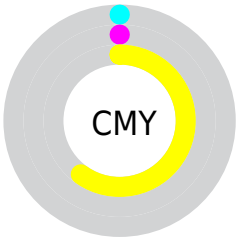
- Red (100%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 255, 102 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 102, 255, 102 by changing the saturation by 10% instead.

102, 255, 102	102, 255, 102
255, 255, 255	73, 226, 74
158, 255, 158	42, 198, 45
187, 255, 187	0, 171, 5
216, 255, 216	0, 145, 8
246, 255, 246	0, 119, 10
	0, 95, 13
	0, 71, 16
	0, 49, 20
	0, 29, 29

102, 255, 102	102, 255, 102
77, 255, 77	128, 255, 128
51, 255, 51	153, 255, 153
25, 255, 25	179, 255, 179
0, 255, 0	204, 255, 204
	230, 255, 230
	255, 255, 255

Harmonies

Analogous

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

136, 255, 107

102, 255, 102

142, 255, 222

Triad

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

102, 255, 102

0, 128, 255

255, 191, 255

Complementary

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

102, 255, 102

102, 102, 255

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, 215, 255

102, 255, 102

0, 128, 255

Square

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

102, 255, 102

0, 128, 255

187, 218, 255

255, 187, 216

Rectangle

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

102, 255, 102

99, 200, 255

187, 218, 255

255, 198, 255

Sweetspot

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

102, 255, 102

209, 255, 209

255, 102, 102

99, 128, 99

0, 0, 0

128, 128, 128

Same Dimension

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

102, 255, 102

71, 255, 71

102, 255, 178

115, 128, 115

0, 191, 0

0, 64, 0

Inverse Universe

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

102, 102, 255

71, 71, 255

179, 102, 255

115, 115, 128

0, 0, 191

0, 0, 64

Previews

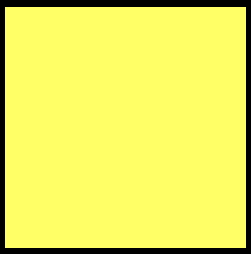
White Background

This preview shows how the RYB color 102, 255, 102 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



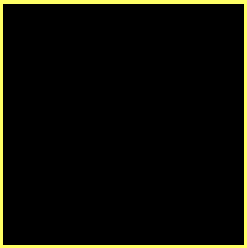
This preview shows how the RYB color 102, 255, 102 looks on a black background.

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 102, 255, 102 Background



This preview shows how black text looks on a background with the RYB color 102, 255, 102.

This preview shows how white text looks on a background with the RYB color 102, 255, 102.

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

Original Color
102, 255, 102

Protanopia
231, 255, 222

Deuteranopia
255, 255, 237

Tritanopia
255, 245, 251

Trichromacy

Original Color
102, 255, 102

Protanomaly
182, 255, 178

Deuteranomaly
195, 255, 188

Tritanomaly
204, 255, 197

Monochromacy

Original Color
102, 255, 102

Achromatopsia
238, 238, 238

Achromatomaly
189, 244, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 255, 102 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(255, 255, 102) looks like.

```
.text, #text, p{
    color:rgb(255, 255, 102)
}
```

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(255, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 102) }
```

Border

The CSS property to change the border of an element to RYB 102, 255, 102 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(255, 255, 102) }
```

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

```
.border{ border-color:rgb(255, 255, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 255, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 255, 102); box-shadow:4px 4px 4px 4px rgb(255, 255, 102) }
```

Background

The CSS property to change the background color of an element to RYB 102, 255, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 255, 102) }
```

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

```
.background{ background-color:rgb(255,
255, 102) }
```

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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