

Converting Colors

`RYB(100, 253, 100)`

Have a look what the booklet for
RYB(100, 253, 100) contains.

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Color

RYB(100, 253, 100)

Conversions

Conversions Part 1

Format	Color
Hex	DFD64
RGB	253, 253, 100
RGB Percent	99%, 99%, 39%
CMY	0.0078, 0.0078, 0.6078
CMYK	0.00, 0.00, 0.60, 0.01
HSL	60°, 97%, 69%
HSV	60°, 60%, 99%
XYZ	77.9335, 92.0533, 25.7171
YIQ	235.5580, 49.1130, -47.5830

Conversions

Conversions Part 2

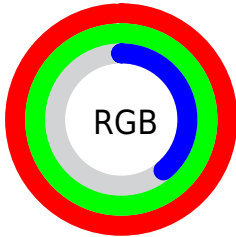
Format	Color
RYB	100, 253, 100
Decimal	16645476
CIELab	96.84, -18.40, 70.93
CIELCh	97, 73.276, 104.546
Yxy	92.0533, 0.3982, 0.4704
Android (android.graphics.Color)	4294835556 (0xFFFD64)
YUV	235.5580, -66.8301, 15.2966
Hunter-Lab	95.9444, -22.9111, 51.2689

Details

The RYB color **100, 253, 100** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **100, 100, 253**, and the grayscale version is **236, 236, 236**.

A 20% lighter version of the original color is **156, 255, 156**, and **40, 197, 44** is the 20% darker color. If you saturate the color by 10%, you get **75, 253, 75**, and if you desaturate by 10%, it is **125, 253, 125**.

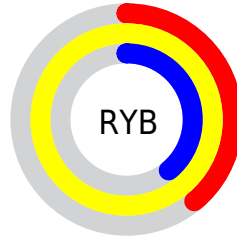
Distribution



Red (99%)

Green (99%)

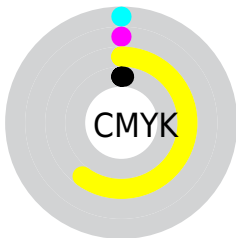
Blue (39%)



Red (39%)

Yellow (99%)

Blue (39%)

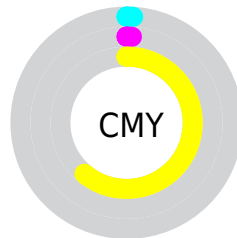


Cyan (0%)

Magenta (0%)

Yellow (60%)

Black (1%)



Cyan (1%)

Magenta (1%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 253, 100 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 100, 253, 100 by changing the saturation by 10% instead.

 100, 253, 100

255, 255, 255


 156, 255, 156


 185, 255, 185


 214, 255, 214


 243, 255, 243


 100, 253, 100


 71, 224, 72

 40, 197, 44

 0, 169, 5

 0, 143, 7

 0, 118, 10

 0, 93, 13

 0, 70, 17

 0, 47, 20

 0, 28, 28

 100, 253, 100

 100, 253, 100

 75, 253, 75

 125, 253, 125

 49, 253, 49

 151, 253, 151

 24, 253, 24

 176, 253, 176

 0, 253, 0

 201, 253, 201

 227, 253, 227

 252, 253, 252

 253, 253, 255

Harmonies

Analogous

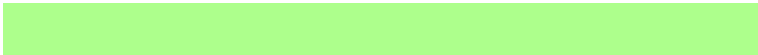
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



136, 255, 105



100, 253, 100



140, 255, 222

Triad

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



100, 253, 100



0, 128, 255



255, 189, 255

Complementary

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



100, 253, 100



100, 100, 253

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, 213, 255



100, 253, 100



0, 128, 255

Square

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



100, 253, 100



0, 128, 255



185, 216, 255



255, 185, 214

Rectangle

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



100, 253, 100



97, 200, 255



185, 216, 255



255, 196, 255

Sweetspot

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



100, 253, 100



209, 255, 209



253, 100, 100



99, 128, 99



0, 0, 0



128, 128, 128

Same Dimension

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



100, 253, 100



69, 255, 69



100, 253, 176



115, 128, 115



0, 191, 0



0, 64, 0

Inverse Universe

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



100, 100, 253



69, 69, 255



177, 100, 253



115, 115, 128



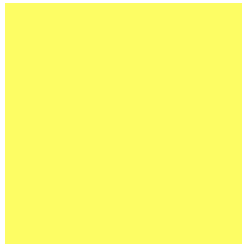
0, 0, 191



0, 0, 64

Previews

White Background



This preview shows how the RYB color 100, 253, 100 looks on a white background.

Color Contrast Check

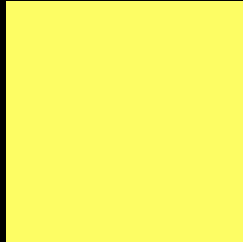
Large Text (above 18pt) WCAG AA × Fail

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 100, 253, 100 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 100, 253, 100 Background



This preview shows how black text looks on a background with the RYB color 100, 253, 100.

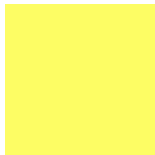


This preview shows how white text looks on a background with the RYB color 100, 253, 100.

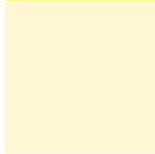
Color Blindness Simulation

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](#).

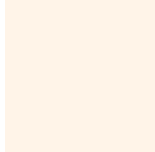
Dichromacy



Original Color
100, 253, 100



Protanopia
223, 255, 212



Deuteranopia
253, 255, 232



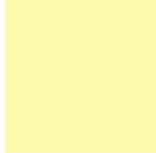
Tritanopia

255, 242, 250

Trichromacy



Original Color
100, 253, 100



Protanomaly
176, 254, 171



Deuteranomaly
192, 254, 184

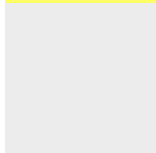


Tritanomaly
204, 254, 195

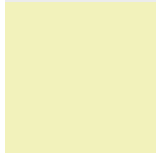
Monochromacy



Original Color
100, 253, 100



Achromatopsia
236, 236, 236



Achromatomaly
187, 242, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 253, 100 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(253, 253, 100)` looks like.

```
.text, #text, p{  
    color:rgb(253, 253, 100)  
}
```

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(253, 253, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 253, 100) }
```

Border

The CSS property to change the border of an element to RYB 100, 253, 100 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(253, 253, 100) }
```

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

```
.border{ border-color:rgb(253, 253, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 253, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 253, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 253, 100);  
box-shadow:4px 4px 4px 4px rgb(253, 253,  
100) }
```

Background

The CSS property to change the background color of an element to RYB 100, 253, 100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 253, 100) }
```

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

```
.background{ background-color: rgb(253,  
253, 100) }
```

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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