

Converting Colors

`RYB(0, 250, 208)`

Have a look what the booklet for
RYB(0, 250, 208) contains.

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Color

RYB(0, 250, 208)

Conversions

Conversions Part 1

Format	Color
Hex	2AFA00
RGB	42, 250, 0
RGB Percent	16%, 98%, 0%
CMY	0.8353, 0.0196, 1.0000
CMYK	0.83, 0.00, 1.00, 0.02
HSL	110°, 100%, 49%
HSV	110°, 100%, 98%
XYZ	35.1405, 68.8635, 11.4399
YIQ	159.3080, -43.7180, -121.8460

Conversions

Conversions Part 2

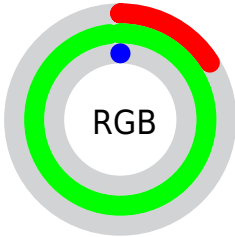
Format	Color
RYB	0, 250, 208
Decimal	2816512
CIELab	86.44, -82.68, 82.24
CIELCh	86, 116.614, 135.151
Yxy	68.8635, 0.3044, 0.5965
Android (android.graphics.Color)	4281006592 (0xFF2AFA00)
YUV	159.3080, -78.5388, -102.8791
Hunter-Lab	82.9840, -69.6343, 49.9153

Details

The RYB color **0, 250, 208** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **208, 0, 250**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **91, 255, 217**, and **0, 192, 192** is the 20% darker color. If you saturate the color by 10%, you get **0, 250, 208**, and if you desaturate by 10%, it is **25, 250, 212**.

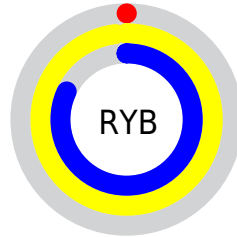
Distribution



Red (16%)

Green (98%)

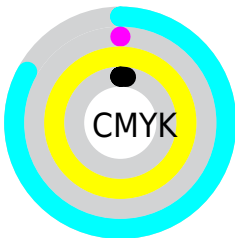
Blue (0%)



Red (0%)

Yellow (98%)

Blue (82%)

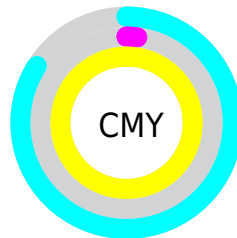


Cyan (83%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (84%)


















Magenta (2%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 250, 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 0, 250, 208 by changing the saturation by 10% instead.

 0, 250, 208	 0, 250, 208
255, 255, 255	 0, 221, 221
 91, 255, 217	 0, 192, 192
 122, 255, 214	 0, 163, 163
 152, 255, 211	 0, 136, 136
 181, 255, 207	 0, 109, 109
 211, 255, 211	 0, 82, 82
 241, 255, 241	 0, 57, 57
	 0, 31, 31
	 0, 0, 0

 0, 250, 208

 25, 250, 212

 50, 250, 216

 75, 250, 221

 100, 250, 225

 125, 250, 229

 150, 250, 233

 175, 250, 237

 200, 250, 242

 225, 250, 246

Harmonies

Analogous

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



0, 229, 20



0, 250, 208



0, 159, 255

Triad

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



0, 250, 208



0, 125, 255



255, 67, 166

Complementary

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



0, 250, 208



208, 0, 250

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, 83, 255



0, 250, 208



0, 115, 255

Square

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



0, 250, 208



0, 128, 255



255, 155, 255



255, 184, 56

Rectangle

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



0, 250, 208



0, 133, 255



255, 155, 255



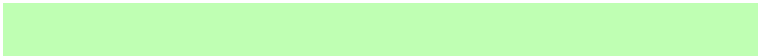
255, 56, 202

Sweetspot

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



0, 250, 208



179, 255, 243



56, 250, 0



82, 128, 121



0, 0, 0



128, 128, 128

Same Dimension

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



0, 250, 208



0, 255, 212



0, 190, 250



112, 125, 122



0, 189, 157



0, 61, 51

Inverse Universe

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



208, 0, 250



212, 0, 255



250, 0, 171



123, 112, 125



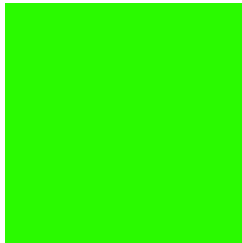
157, 0, 189



51, 0, 61

Previews

White Background



This preview shows how the RYB color 0, 250, 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 0, 250, 208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

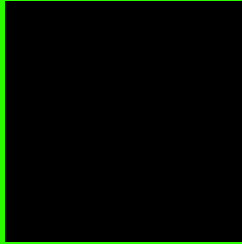
Any Text WCAG AA ✓ Pass

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 0, 250, 208 Background



This preview shows how black text looks on a background with the RYB color 0, 250, 208.



This preview shows how white text looks on a background with the RYB color 0, 250, 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](#).

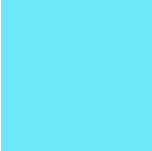
Dichromacy



Original Color
0, 250, 208

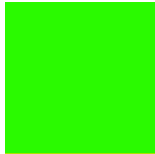
Protanopia
30, 242, 0

Deuteranopia
206, 255, 127



Tritanopia
111, 176, 251

Trichromacy



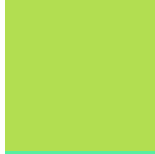
Original Color

0, 250, 208



Protanomaly

0, 228, 59



Deuteranomaly

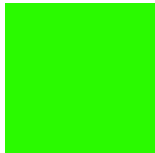
81, 222, 125



Tritanomaly

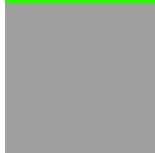
86, 189, 239

Monochromacy



Original Color

0, 250, 208



Achromatopsia

159, 159, 159



Achromatomaly

101, 192, 177

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 250, 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(42, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(42, 250, 0)  
}
```

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(42, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 250, 0) }
```

Border

The CSS property to change the border of an element to RYB 0, 250, 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(42, 250, 0) }
```

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

```
.border{ border-color:rgb(42, 250, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 250, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(42, 250, 0)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 250, 208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 250, 0) }
```

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

```
.background{ background-color: rgb(42, 250,  
0) }
```

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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