

Converting Colors

`RYB(0, 240, 205)`

Have a look what the booklet for
RYB(0, 240, 205) contains.

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Color

RYB(0, 240, 205)

Conversions

Conversions Part 1

Format	Color
Hex	23F000
RGB	35, 240, 0
RGB Percent	14%, 94%, 0%
CMY	0.8627, 0.0588, 1.0000
CMYK	0.85, 0.00, 1.00, 0.06
HSL	111°, 100%, 47%
HSV	111°, 100%, 94%
XYZ	31.8532, 62.6775, 10.4191
YIQ	151.3450, -45.1400, -118.1000

Conversions

Conversions Part 2

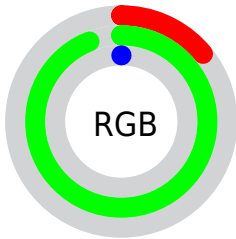
Format	Color
RYB	0, 240, 205
Decimal	2355200
CIELab	83.27, -80.60, 79.68
CIELCh	83, 113.334, 135.327
Yxy	62.6775, 0.3035, 0.5972
Android (android.graphics.Color)	4280545280 (0xFF23F000)
YUV	151.3450, -74.6131, -102.0346
Hunter-Lab	79.1691, -66.7276, 47.6155

Details

The RYB color **0, 240, 205** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **205, 0, 240**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **89, 255, 220**, and **0, 182, 182** is the 20% darker color. If you saturate the color by 10%, you get **0, 240, 205**, and if you desaturate by 10%, it is **24, 240, 209**.

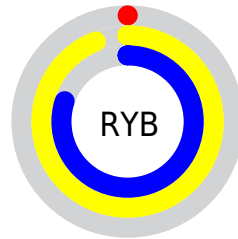
Distribution



Red (14%)

Green (94%)

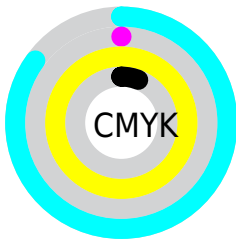
Blue (0%)



Red (0%)

Yellow (94%)

Blue (80%)

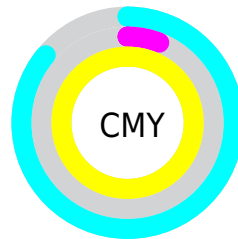


Cyan (85%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (86%)














Magenta (6%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 240, 205 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, 240, 205 by changing the saturation by 10% instead.

 0, 240, 205	 0, 240, 205
255, 255, 255	 0, 211, 211
 89, 255, 220	 0, 182, 182
 119, 255, 216	 0, 154, 154
 149, 255, 213	 0, 127, 127
 178, 255, 210	 0, 100, 100
 208, 255, 208	 0, 74, 74
 238, 255, 238	 0, 49, 49
	 0, 20, 20
	 0, 0, 0

 0, 240, 205

 24, 240, 209

 48, 240, 212

 72, 240, 215

 96, 240, 219

 120, 240, 223

 144, 240, 226

 168, 240, 230

 192, 240, 233

 216, 240, 237

Harmonies

Analogous

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



0, 220, 21



0, 240, 205



0, 157, 250

Triad

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



0, 240, 205



0, 122, 255



255, 63, 158

Complementary

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



0, 240, 205



205, 0, 240

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, 78, 255



0, 240, 205



0, 113, 255

Square

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



0, 240, 205



0, 126, 255



255, 148, 255



255, 173, 52

Rectangle

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



0, 240, 205



0, 134, 253



255, 148, 255



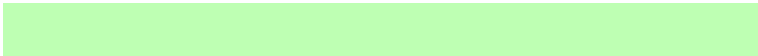
255, 52, 193

Sweetspot

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



0, 240, 205



179, 255, 244



42, 240, 0



82, 128, 122



0, 0, 0



128, 128, 128

Same Dimension

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



0, 240, 205



0, 255, 218



0, 178, 240



108, 120, 118



0, 184, 157



0, 56, 48

Inverse Universe

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



205, 0, 240



218, 0, 255



240, 0, 156



118, 108, 120



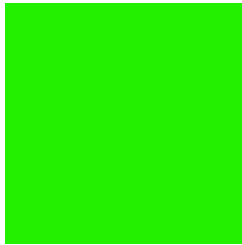
157, 0, 184



48, 0, 56

Previews

White Background



This preview shows how the RYB color 0, 240, 205 looks on a white background.

Color Contrast Check

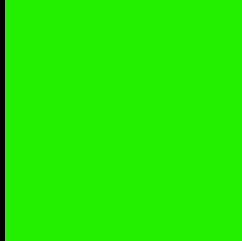
Large Text (above 18pt) WCAG AA × Fail

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, 240, 205 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, 240, 205 Background



This preview shows how black text looks on a background with the RYB color 0, 240, 205.



This preview shows how white text looks on a background with the RYB color 0, 240, 205.

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](#).

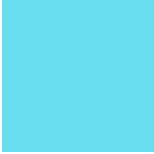
Dichromacy



Original Color
0, 240, 205

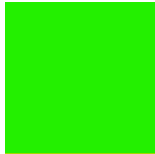
Protanopia
29, 232, 0

Deuteranopia
164, 255, 76



Tritanopia
105, 168, 241

Trichromacy



Original Color

0, 240, 205



Protanomaly

0, 218, 58



Deuteranomaly

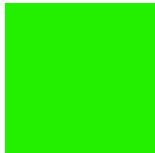
48, 212, 85



Tritanomaly

80, 180, 229

Monochromacy



Original Color

0, 240, 205



Achromatopsia

151, 151, 151



Achromatomaly

96, 183, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 240, 205 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(35, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(35, 240, 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(35, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 240, 0) }
```

Border

The CSS property to change the border of an element to RYB 0, 240, 205 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(35, 240, 0) }
```

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

```
.border{ border-color:rgb(35, 240, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 240, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(35, 240, 0)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 240, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 240, 0) }
```

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

```
.background{ background-color: rgb(35, 240,  
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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