

Converting Colors

`RYB(0, 243, 224)`

Have a look what the booklet for
RYB(0, 243, 224) contains.

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Color

RYB(0, 243, 224)

Conversions

Conversions Part 1

Format	Color
Hex	13F300
RGB	19, 243, 0
RGB Percent	7%, 95%, 0%
CMY	0.9255, 0.0471, 1.0000
CMYK	0.92, 0.00, 1.00, 0.05
HSL	115°, 100%, 48%
HSV	115°, 100%, 95%
XYZ	32.3192, 64.2396, 10.6961
YIQ	148.3220, -55.5010, -123.0610

Conversions

Conversions Part 2

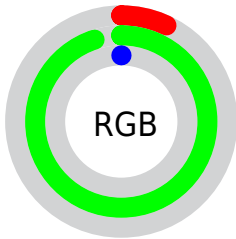
Format	Color
RYB	0, 243, 224
Decimal	1307392
CIELab	84.09, -82.44, 80.29
CIELCh	84, 115.073, 135.757
Yxy	64.2396, 0.3013, 0.5989
Android (android.graphics.Color)	4279497472 (0xFF13F300)
YUV	148.3220, -73.1227, -113.4154
Hunter-Lab	80.1496, -68.2844, 48.1924

Details

The RYB color **0, 243, 224** 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 **224, 0, 243**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **90, 255, 225**, and **0, 185, 185** is the 20% darker color. If you saturate the color by 10%, you get **0, 243, 224**, and if you desaturate by 10%, it is **24, 243, 226**.

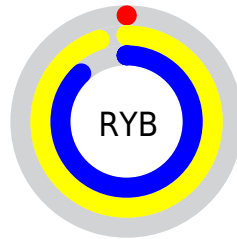
Distribution



Red (7%)

Green (95%)

Blue (0%)



Red (0%)

Yellow (95%)

Blue (88%)

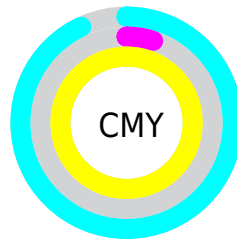


Cyan (92%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (93%)



Magenta (5%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RYB color 0, 243, 224 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, 243, 224 by changing the saturation by 10% instead.

 0, 243, 224	 0, 243, 224
 255, 255, 255	 0, 214, 214
 90, 255, 225	 0, 185, 185
 120, 255, 221	 0, 157, 157
 150, 255, 217	 0, 129, 129
 179, 255, 214	 0, 102, 102
 209, 255, 211	 0, 76, 76
 239, 255, 239	 0, 51, 51
	 0, 23, 23
	 0, 0, 0

 0, 243, 224

 24, 243, 226

 49, 243, 228

 73, 243, 230

 97, 243, 231

 121, 243, 233

 146, 243, 236

 170, 243, 237

 194, 243, 239

 219, 243, 241

Harmonies

Analogous

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



0, 223, 23



0, 243, 224



0, 158, 253

Triad

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



0, 243, 224



0, 123, 255



255, 61, 158

Complementary

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



0, 243, 224



224, 0, 243

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, 76, 255



0, 243, 224



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, 243, 224



0, 127, 255



255, 148, 255



255, 182, 49

Rectangle

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



0, 243, 224



0, 134, 255



255, 148, 255



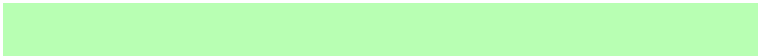
255, 48, 194

Sweetspot

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



0, 243, 224



179, 255, 250



22, 243, 0



82, 128, 125



0, 0, 0



128, 128, 128

Same Dimension

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



0, 243, 224



0, 255, 235



0, 172, 243



110, 122, 121



0, 186, 171



0, 59, 54

Inverse Universe

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



224, 0, 243



235, 0, 255



243, 0, 142



121, 110, 122



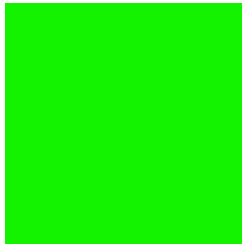
172, 0, 186



54, 0, 59

Previews

White Background



This preview shows how the RYB color 0, 243, 224 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, 243, 224 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, 243, 224 Background



This preview shows how black text looks on a background with the RYB color 0, 243, 224.



This preview shows how white text looks on a background with the RYB color 0, 243, 224.

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](#).

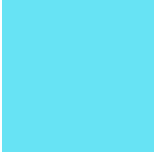
Dichromacy



Original Color
0, 243, 224

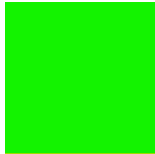
Protanopia
29, 234, 0

Deuteranopia
180, 255, 92



Tritanopia
103, 169, 244

Trichromacy



Original Color

0, 243, 224



Protanomaly

0, 221, 65



Deuteranomaly

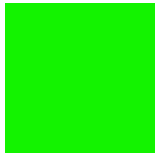
59, 214, 104



Tritanomaly

72, 177, 232

Monochromacy



Original Color

0, 243, 224



Achromatopsia

148, 148, 148



Achromatomaly

94, 183, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 0, 243, 224 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(19, 243, 0)` looks like.

```
.text, #text, p{  
    color:rgb(19, 243, 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(19, 243, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 243, 0) }
```

Border

The CSS property to change the border of an element to RYB 0, 243, 224 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(19, 243, 0) }
```

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

```
.border{ border-color:rgb(19, 243, 0) }
```

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

Here you see how a box with a 4 pixel rgb(19, 243, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 243, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 243, 0);  
box-shadow:4px 4px 4px 4px rgb(19, 243, 0)  
}
```

Background

The CSS property to change the background color of an element to RYB 0, 243, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 243, 0) }
```

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

```
.background{ background-color: rgb(19, 243,  
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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