

Converting Colors

`RYB(30, 0, 245)`

Have a look what the booklet for
RYB(30, 0, 245) contains.

RYB(30, 0, 245)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(30, 0, 245)

Conversions

Conversions Part 1

Format	Color
Hex	1E00F5
RGB	30, 0, 245
RGB Percent	12%, 0%, 96%
CMY	0.8824, 1.0000, 0.0392
CMYK	0.88, 1.00, 0.00, 0.04
HSL	247°, 100%, 48%
HSV	247°, 100%, 96%
XYZ	17.0169, 6.8686, 86.8151
YIQ	36.9000, -60.7650, 82.5550

Conversions

Conversions Part 2

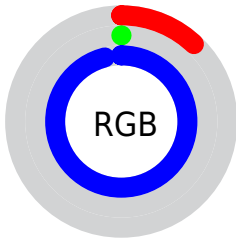
Format	Color
RYB	30, 0, 245
Decimal	1966325
CIELab	31.51, 77.04, -103.55
CIELCh	32, 129.064, 306.649
Yxy	6.8686, 0.1537, 0.0620
Android (android.graphics.Color)	4280156405 (0xFF1E00F5)
YUV	36.9000, 102.5933, -6.0513
Hunter-Lab	26.2080, 70.0360, -178.0550

Details

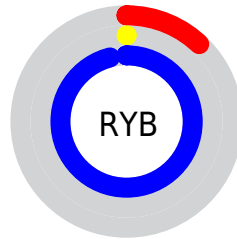
The RYB color **30, 0, 245** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **0, 245, 30**, and the grayscale version is **36, 36, 36**.

A 20% lighter version of the original color is **124, 71, 255**, and **0, 0, 187** is the 20% darker color. If you saturate the color by 10%, you get **30, 0, 245**, and if you desaturate by 10%, it is **51, 24, 245**.

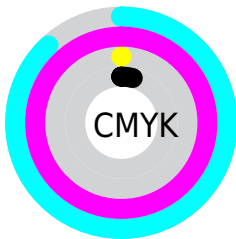
Distribution



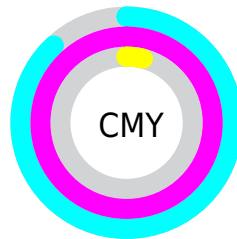
- Red (12%)
- Green (0%)
- Blue (96%)



- Red (12%)
- Yellow (0%)
- Blue (96%)



- Cyan (88%)
- Magenta (100%)
- Yellow (0%)
- Black (4%)






















- Cyan (88%)
- Magenta (100%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 30, 0, 245 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 30, 0, 245 by changing the saturation by 10% instead.

 30, 0, 245	 30, 0, 245
 255, 255, 255	 0, 0, 216
 124, 71, 255	 0, 0, 187
 159, 98, 255	 0, 0, 159
 193, 126, 255	 0, 0, 131
 226, 154, 255	 0, 15, 105
 255, 182, 255	 0, 9, 80
 255, 211, 255	 0, 5, 56
 255, 240, 255	 0, 2, 33
	 0, 0, 7

■ 30, 0, 245

■ 51, 24, 245

■ 73, 49, 245

■ 94, 74, 245

■ 116, 98, 245

■ 137, 123, 245

■ 159, 147, 245

■ 180, 171, 245

■ 202, 196, 245

■ 224, 221, 245

Harmonies

Analogous

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



0, 67, 255



30, 0, 245



198, 0, 157

Triad

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



30, 0, 245



151, 18, 0



0, 53, 102

Complementary

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



30, 0, 245



0, 245, 30

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.



0, 99, 99



30, 0, 245



0, 79, 8

Square

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



30, 0, 245



206, 0, 0



0, 95, 95



0, 69, 198

Rectangle

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



30, 0, 245



226, 0, 91



0, 95, 95



0, 63, 101

Sweetspot

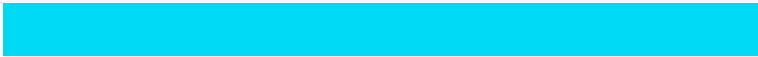
The Sweet Spot groups the original color and five complimentary colors.



30, 0, 245



188, 179, 255



0, 115, 245



87, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



30, 0, 245



31, 0, 255



151, 0, 245



112, 110, 122



23, 0, 186



7, 0, 59

Inverse Universe

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



245, 0, 215



255, 0, 224



0, 245, 151



122, 110, 121



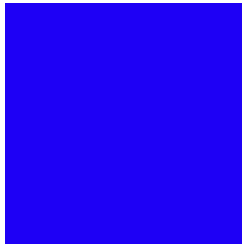
186, 0, 163



59, 0, 51

Previews

White Background



This preview shows how the RYB color 30, 0, 245 looks on a white background.

Color Contrast Check

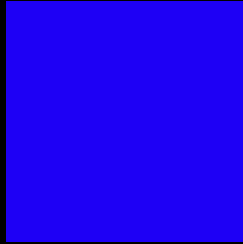
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the RYB color 30, 0, 245 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 30, 0, 245 Background



This preview shows how black text looks on a background with the RYB color 30, 0, 245.



This preview shows how white text looks on a background with the RYB color 30, 0, 245.

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


30, 0, 245

Protanopia

0, 49, 152

Deuteranopia

0, 49, 129



Tritanopia
0, 42, 87

Trichromacy



Original Color

30, 0, 245

Protanomaly

11, 40, 186

Deuteranomaly

11, 42, 171

Tritanomaly

11, 43, 144

Monochromacy



Original Color

30, 0, 245

Achromatopsia

37, 37, 37

Achromatomaly

34, 24, 113

CSS Examples

Text

The CSS property to change the color of the text to RYB 30, 0, 245 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(30, 0, 245)` looks like.

```
.text, #text, p{  
    color:rgb(30, 0, 245)  
}
```

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(30, 0, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 0, 245) }
```

Border

The CSS property to change the border of an element to RYB 30, 0, 245 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(30, 0, 245) }
```

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

```
.border{ border-color:rgb(30, 0, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 0, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 0, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 0, 245);  
box-shadow:4px 4px 4px 4px rgb(30, 0, 245)  
}
```

Background

The CSS property to change the background color of an element to RYB 30, 0, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 0, 245) }
```

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

```
.background{ background-color: rgb(30, 0,  
245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor