

Converting Colors

`RYB(46, 94, 245)`

Have a look what the booklet for
RYB(46, 94, 245) contains.

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Color

R_YB(46, 94, 245)

Conversions

Conversions Part 1

Format	Color
Hex	2E6DF5
RGB	46, 109, 245
RGB Percent	18%, 43%, 96%
CMY	0.8196, 0.5715, 0.0392
CMYK	0.81, 0.55, 0.00, 0.04
HSL	221°, 91%, 57%
HSV	221°, 81%, 96%
XYZ	23.1044, 18.1659, 88.6748
YIQ	105.6670, -81.2040, 28.9400

Conversions

Conversions Part 2

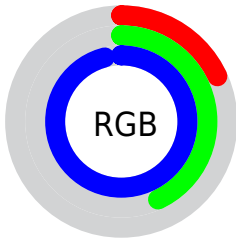
Format	Color
R _Y B	46, 94, 245
Decimal	3042805
CIE Lab	49.70, 28.87, -73.50
CIE LCh	50, 78.969, 291.446
Yxy	18.1659, 0.1778, 0.1398
Android (android.graphics.Color)	4281232885 (0xFF2E6DF5)
YUV	105.6670, 68.6912, -52.3280
Hunter-Lab	42.6215, 22.1743, -93.5191

Details

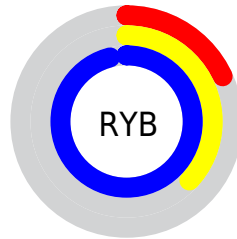
The RYB color **46, 94, 245** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **138, 245, 46**, and the grayscale version is **105, 105, 105**.

A 20% lighter version of the original color is **124, 152, 255**, and **0, 47, 188** is the 20% darker color. If you saturate the color by 10%, you get **22, 76, 245**, and if you desaturate by 10%, it is **71, 113, 245**.

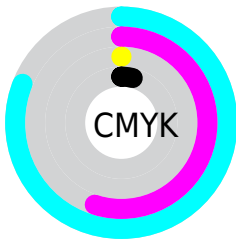
Distribution



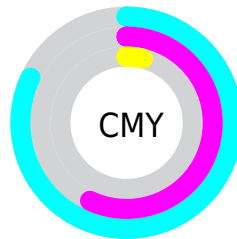
- Red (18%)
- Green (43%)
- Blue (96%)



- Red (18%)
- Yellow (37%)
- Blue (96%)



- Cyan (81%)
- Magenta (55%)
- Yellow (0%)
- Black (4%)




















- Cyan (82%)
- Magenta (57%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 46, 94, 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 46, 94, 245 by changing the saturation by 10% instead.

 46, 94, 245	 46, 94, 245
 255, 255, 255	 0, 61, 216
 124, 152, 255	 0, 47, 188
 157, 180, 255	 0, 33, 160
 188, 207, 255	 0, 21, 133
 220, 234, 255	 0, 0, 107
 251, 253, 255	 0, 10, 81
	 0, 5, 57
	 0, 2, 35
	 0, 0, 10

■ 46, 94, 245

■ 46, 94, 245

■ 22, 76, 245

■ 71, 113, 245

■ 0, 59, 245

■ 95, 131, 245

■ 120, 150, 245

■ 144, 168, 245

■ 169, 187, 245

■ 193, 206, 245

■ 218, 224, 245

■ 242, 243, 245

■ 245, 255, 245

Harmonies

Analogous

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



0, 87, 253



46, 94, 245



177, 71, 203

Triad

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



46, 94, 245



206, 118, 0



0, 87, 145

Complementary

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



46, 94, 245



138, 245, 46

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, 126, 140



46, 94, 245



75, 160, 0

Square

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



46, 94, 245



231, 25, 74



0, 129, 31



0, 78, 166

Rectangle

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



46, 94, 245



214, 36, 162



0, 129, 31



0, 96, 144

Sweetspot

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



46, 94, 245



194, 208, 255



46, 165, 245



91, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



46, 94, 245



8, 67, 255



79, 46, 245



110, 113, 122



0, 45, 186



0, 14, 59

Inverse Universe

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



245, 46, 109



255, 8, 86



46, 245, 79



122, 110, 114



186, 0, 59



59, 0, 19

Previews

White Background



This preview shows how the RYB color 46, 94, 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 × Fail

Black Background



This preview shows how the RYB color 46, 94, 245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

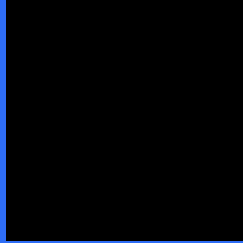
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

R Y B 46, 94, 245 Background



This preview shows how black text looks on a background with the R Y B color 46, 94, 245.

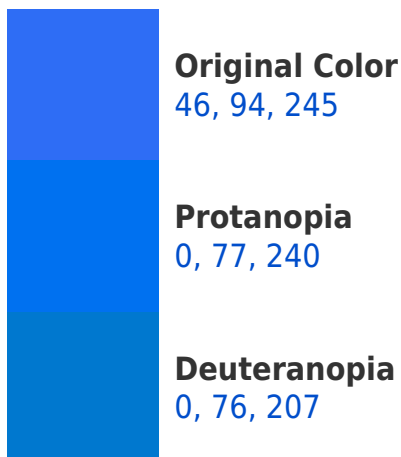


This preview shows how white text looks on a background with the R Y B color 46, 94, 245.

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





Tritanopia
0, 67, 139

Trichromacy



Original Color

46, 94, 245

Protanomaly

17, 84, 242

Deuteranomaly

17, 84, 221

Tritanomaly

17, 81, 178

Monochromacy



Original Color

46, 94, 245

Achromatopsia

106, 106, 106

Achromatomaly

84, 101, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 46, 94, 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(46, 109, 245)` looks like.

```
.text, #text, p{  
    color:rgb(46, 109, 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(46, 109, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 109, 245) }
```

Border

The CSS property to change the border of an element to RYB 46, 94, 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(46, 109, 245) }
```

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

```
.border{ border-color:rgb(46, 109, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 109, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 109, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 109, 245);  
box-shadow:4px 4px 4px 4px rgb(46, 109,  
245) }
```

Background

The CSS property to change the background color of an element to RYB 46, 94, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 109, 245) }
```

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

```
.background{ background-color: rgb(46, 109,  
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](#).

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