

Converting Colors

`RYB(86, 14, 229)`

Have a look what the booklet for
RYB(86, 14, 229) contains.

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Color

R_YB(86, 14, 229)

Conversions

Conversions Part 1

Format	Color
Hex	560EE5
RGB	86, 14, 229
RGB Percent	34%, 5%, 90%
CMY	0.6627, 0.9451, 0.1020
CMYK	0.62, 0.94, 0.00, 0.10
HSL	260°, 88%, 48%
HSV	260°, 94%, 90%
XYZ	18.1376, 7.9497, 74.7072
YIQ	60.0380, -26.1030, 82.1290

Conversions

Conversions Part 2

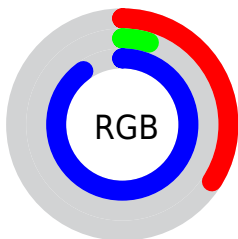
Format	Color
R _Y B	86, 14, 229
Decimal	5639909
CIE Lab	33.88, 72.87, -90.40
CIE LCh	34, 116.116, 308.871
Yxy	7.9497, 0.1799, 0.0789
Android (android.graphics.Color)	4283829989 (0xFF560EE5)
YUV	60.0380, 83.2983, 22.7687
Hunter-Lab	28.1951, 65.4858, -137.3612

Details

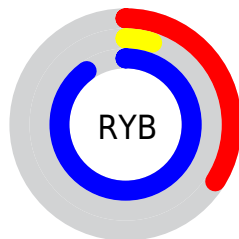
The RYB color **86, 14, 229** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed blue. A complement of this color would be **14, 229, 86**, and the grayscale version is **59, 59, 59**.

A 20% lighter version of the original color is **153, 79, 255**, and **0, 0, 172** is the 20% darker color. If you saturate the color by 10%, you get **77, 0, 229**, and if you desaturate by 10%, it is **101, 37, 229**.

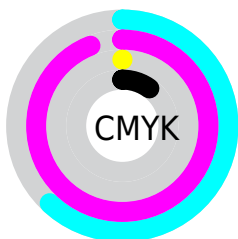
Distribution



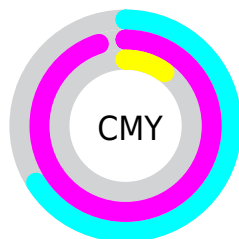
- Red (34%)
- Green (5%)
- Blue (90%)



- Red (34%)
- Yellow (5%)
- Blue (90%)



- Cyan (62%)
- Magenta (94%)
- Yellow (0%)
- Black (10%)






















- Cyan (66%)
- Magenta (95%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 86, 14, 229 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 86, 14, 229 by changing the saturation by 10% instead.

 86, 14, 229	 86, 14, 229
 255, 255, 255	 44, 0, 200
 153, 79, 255	 0, 0, 172
 184, 106, 255	 0, 0, 144
 216, 134, 255	 0, 0, 117
 247, 162, 255	 0, 10, 91
 255, 190, 255	 0, 6, 67
 255, 219, 255	 0, 3, 44
 255, 248, 255	 0, 1, 22
	 0, 0, 0

■ 86, 14, 229

■ 86, 14, 229

■ 77, 0, 229

■ 101, 37, 229

■ 116, 60, 229

■ 132, 83, 229

■ 147, 106, 229

■ 162, 129, 229

■ 177, 151, 229

■ 193, 174, 229

■ 208, 197, 229

■ 223, 220, 229

Harmonies

Analogous

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



0, 67, 255



86, 14, 229



199, 0, 149

Triad

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



86, 14, 229



148, 61, 0



0, 54, 107

Complementary

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



86, 14, 229



14, 229, 86

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, 105, 105



86, 14, 229



0, 86, 13

Square

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



86, 14, 229



200, 0, 0



0, 100, 100



0, 71, 197

Rectangle

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



86, 14, 229



221, 0, 88



0, 100, 100



0, 62, 106

Sweetspot

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



86, 14, 229



208, 184, 255



14, 100, 229



99, 84, 128



0, 0, 0



128, 128, 128

Same Dimension

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



86, 14, 229



85, 0, 255



193, 14, 229



107, 103, 115



60, 0, 179



17, 0, 51

Inverse Universe

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



229, 14, 157



255, 0, 170



14, 229, 193



115, 103, 111



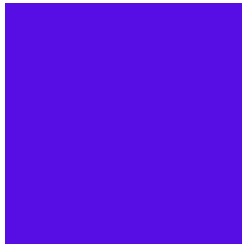
179, 0, 119



51, 0, 34

Previews

White Background



This preview shows how the RYB color 86, 14, 229 looks on a white background.

Color Contrast Check

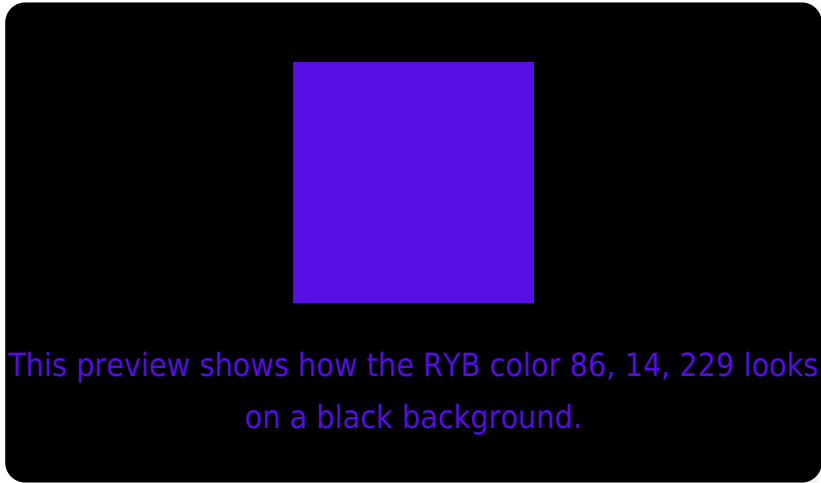
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

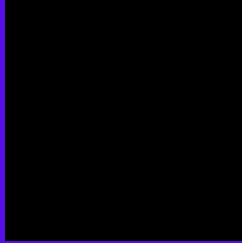
Any Text WCAG AA × Fail

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 86, 14, 229 Background



This preview shows how black text looks on a background with the R Y B color 86, 14, 229.

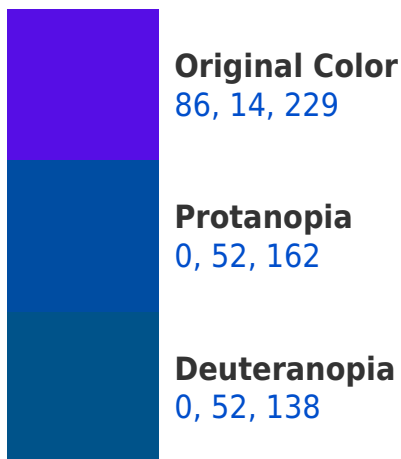



This preview shows how white text looks on a background with the R Y B color 86, 14, 229.

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, 46, 96

Trichromacy



Original Color

86, 14, 229

Protanomaly

31, 51, 186

Deuteranomaly

31, 54, 171

Tritanomaly

31, 55, 144

Monochromacy



Original Color

86, 14, 229

Achromatopsia

60, 60, 60

Achromatomaly

69, 43, 121

CSS Examples

Text

The CSS property to change the color of the text to RYB 86, 14, 229 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(86, 14, 229)` looks like.

```
.text, #text, p{  
    color:rgb(86, 14, 229)  
}
```

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(86, 14, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 14, 229) }
```

Border

The CSS property to change the border of an element to RYB 86, 14, 229 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(86, 14, 229) }
```

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

```
.border{ border-color:rgb(86, 14, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 14, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 14, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 14, 229);  
box-shadow:4px 4px 4px 4px rgb(86, 14,  
229) }
```

Background

The CSS property to change the background color of an element to RGB 86, 14, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 14, 229) }
```

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

```
.background{ background-color: rgb(86, 14,  
229) }
```

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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