

Converting Colors

R_{YB}(85, 4, 216)

Have a look what the booklet for
RYB(85, 4, 216) contains.

RYB(85, 4, 216)	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}(85, 4, 216)

Conversions

Conversions Part 1

Format	Color
Hex	5504D8
RGB	85, 4, 216
RGB Percent	33%, 2%, 85%
CMY	0.6667, 0.9843, 0.1529
CMYK	0.61, 0.98, 0.00, 0.15
HSL	263°, 96%, 43%
HSV	263°, 98%, 85%
XYZ	16.1844, 6.9760, 65.4592
YIQ	52.3870, -19.7760, 83.1040

Conversions

Conversions Part 2

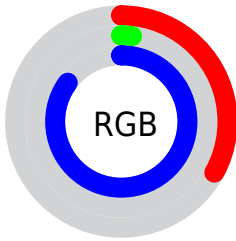
Format	Color
RYB	85, 4, 216
Decimal	5571800
CIELab	31.75, 71.31, -86.47
CIELCh	32, 112.075, 309.511
Yxy	6.9760, 0.1826, 0.0787
Android (android.graphics.Color)	4283761880 (0xFF5504D8)
YUV	52.3870, 80.6612, 28.6016
Hunter-Lab	26.4121, 63.1572, -128.4546

Details

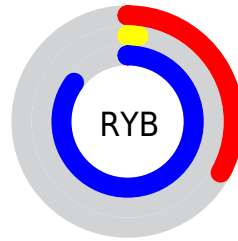
The RYB color **85, 4, 216** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **4, 216, 85**, and the grayscale version is **52, 52, 52**.

A 20% lighter version of the original color is **150, 74, 255**, and **0, 0, 159** is the 20% darker color. If you saturate the color by 10%, you get **83, 0, 216**, and if you desaturate by 10%, it is **98, 26, 216**.

Distribution



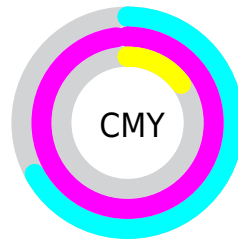
- Red (33%)
- Green (2%)
- Blue (85%)



- Red (33%)
- Yellow (2%)
- Blue (85%)



- Cyan (61%)
- Magenta (98%)
- Yellow (0%)
- Black (15%)



- Cyan (67%)
- Magenta (98%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 4, 216 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 85, 4, 216 by changing the saturation by 10% instead.



85, 4, 216



85, 4, 216

255, 255, 255



45, 0, 187



150, 74, 255



0, 0, 159



181, 101, 255



0, 0, 132



212, 129, 255



0, 0, 106



244, 157, 255



0, 9, 80



255, 185, 255



0, 5, 56



255, 214, 255



0, 2, 34



255, 243, 255



0, 0, 8



0, 0, 0

■ 85, 4, 216

■ 85, 4, 216

■ 83, 0, 216

■ 98, 26, 216

■ 112, 47, 216

■ 125, 69, 216

■ 138, 90, 216

■ 152, 112, 216

■ 165, 134, 216

■ 178, 155, 216

■ 192, 177, 216

■ 205, 198, 216

Harmonies

Analogous

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



0, 63, 255



85, 4, 216



189, 0, 139

Triad

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



85, 4, 216



138, 58, 0



0, 51, 102

Complementary

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



85, 4, 216



4, 216, 85

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



85, 4, 216



0, 81, 15

Square

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



85, 4, 216



189, 0, 0



0, 94, 94



0, 67, 189

Rectangle

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



85, 4, 216



210, 0, 81



0, 94, 94



0, 58, 100

Sweetspot

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



85, 4, 216



209, 181, 255



4, 86, 216



100, 83, 128



0, 0, 0



128, 128, 128

Same Dimension

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



85, 4, 216



97, 0, 255



188, 4, 216



100, 96, 107



65, 0, 171



17, 0, 43

Inverse Universe

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



216, 4, 135



255, 0, 158



4, 216, 188



107, 96, 103



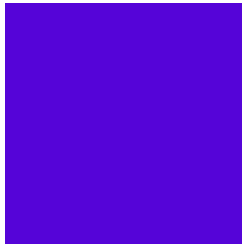
171, 0, 106



43, 0, 27

Previews

White Background



This preview shows how the RYB color 85, 4, 216 looks on a white background.

Color Contrast Check

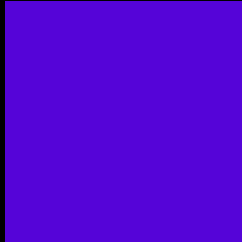
Large Text (above 18pt) WCAG AA ✓ Pass

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 85, 4, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

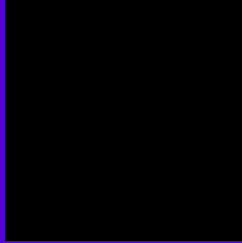
Any Text WCAG AA × Fail

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 85, 4, 216 Background



This preview shows how black text looks on a background with the RYB color 85, 4, 216.



This preview shows how white text looks on a background with the RYB color 85, 4, 216.

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

85, 4, 216

Protanopia

0, 50, 154

Deuteranopia

0, 49, 131



Tritanopia
18, 53, 91

Trichromacy



Original Color

85, 4, 216

Protanomaly

31, 47, 177

Deuteranomaly

31, 48, 162

Tritanomaly

42, 53, 136

Monochromacy



Original Color

85, 4, 216

Achromatopsia

52, 52, 52

Achromatomaly

64, 35, 112

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 4, 216 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(85, 4, 216)` looks like.

```
.text, #text, p{  
    color:rgb(85, 4, 216)  
}
```

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(85, 4, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 4, 216) }
```

Border

The CSS property to change the border of an element to RYB 85, 4, 216 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(85, 4, 216) }
```

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

```
.border{ border-color:rgb(85, 4, 216) }
```

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

Here you see how a box with a 4 pixel rgb(85, 4, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 4, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 4, 216);  
box-shadow:4px 4px 4px 4px rgb(85, 4, 216)  
}
```

Background

The CSS property to change the background color of an element to RYB 85, 4, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 4, 216) }
```

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

```
.background{ background-color: rgb(85, 4,  
216) }
```

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