

Converting Colors

R_YB(89, 41, 173)

Have a look what the booklet for
RYB(89, 41, 173) contains.

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Color

R_YB(89, 41, 173)

Conversions

Conversions Part 1

Format	Color
Hex	5929AD
RGB	89, 41, 173
RGB Percent	35%, 16%, 68%
CMY	0.6510, 0.8392, 0.3216
CMYK	0.49, 0.76, 0.00, 0.32
HSL	262°, 62%, 42%
HSV	262°, 76%, 68%
XYZ	12.4556, 6.7269, 40.1771
YIQ	70.4000, -13.7640, 51.2280

Conversions

Conversions Part 2

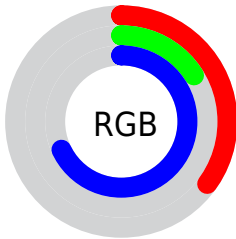
Format	Color
R_{YB}	89, 41, 173
Decimal	5843373
CIE _{Lab}	31.18, 50.62, -62.11
CIE _{LCh}	31, 80.126, 309.179
Yxy	6.7269, 0.2098, 0.1133
Android (android.graphics.Color)	4284033453 (0xFF5929AD)
YUV	70.4000, 50.5818, 16.3122
Hunter-Lab	25.9362, 40.3345, -73.6894

Details

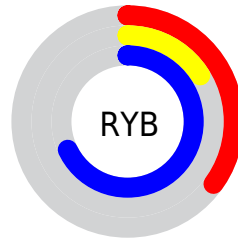
The RYB color **89, 41, 173** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **41, 173, 89**, and the grayscale version is **70, 70, 70**.

A 20% lighter version of the original color is **146, 92, 230**, and **23, 0, 119** is the 20% darker color. If you saturate the color by 10%, you get **78, 24, 173**, and if you desaturate by 10%, it is **100, 58, 173**.

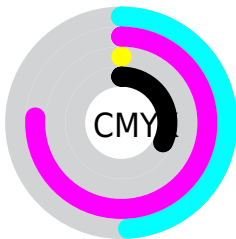
Distribution



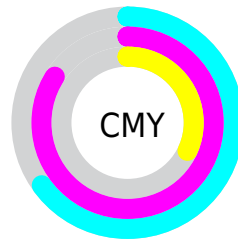
- Red (35%)
- Green (16%)
- Blue (68%)



- Red (35%)
- Yellow (16%)
- Blue (68%)



- Cyan (49%)
- Magenta (76%)
- Yellow (0%)
- Black (32%)



- Cyan (65%)
- Magenta (84%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 89, 41, 173 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 89, 41, 173 by changing the saturation by 10% instead.



89, 41, 173



89, 41, 173

255, 255, 255



59, 13, 146



146, 92, 230



23, 0, 119



175, 118, 255



0, 0, 94



205, 144, 255



0, 0, 69



234, 171, 255



0, 3, 46



255, 199, 255



0, 1, 24



255, 228, 255



0, 0, 0



89, 41, 173



89, 41, 173



78, 24, 173



100, 58, 173

67, 6, 173

111, 76, 173

63, 0, 173

122, 93, 173

133, 110, 173

144, 128, 173

155, 145, 173

166, 162, 173

173, 179, 175

173, 197, 182

Harmonies

Analogous

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



0, 56, 201



89, 41, 173



157, 0, 119

Triad

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



89, 41, 173



125, 89, 0



0, 49, 96

Complementary

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



89, 41, 173



41, 173, 89

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, 76, 94



89, 41, 173



0, 78, 5

Square

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



89, 41, 173



161, 0, 0



0, 89, 89



0, 59, 153

Rectangle

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



89, 41, 173



173, 0, 78



0, 89, 89



0, 55, 95

Sweetspot

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



89, 41, 173



192, 173, 224



41, 93, 173



92, 81, 112



240, 240, 240



112, 112, 112

Same Dimension

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



89, 41, 173



93, 18, 224



153, 41, 173



81, 78, 87



55, 0, 150



8, 0, 23

Inverse Universe

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



173, 41, 125



224, 18, 149



41, 173, 153



87, 78, 84



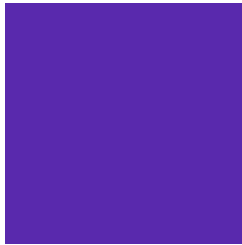
150, 0, 96



23, 0, 15

Previews

White Background



This preview shows how the RYB color 89, 41, 173 looks on a white background.

Color Contrast Check

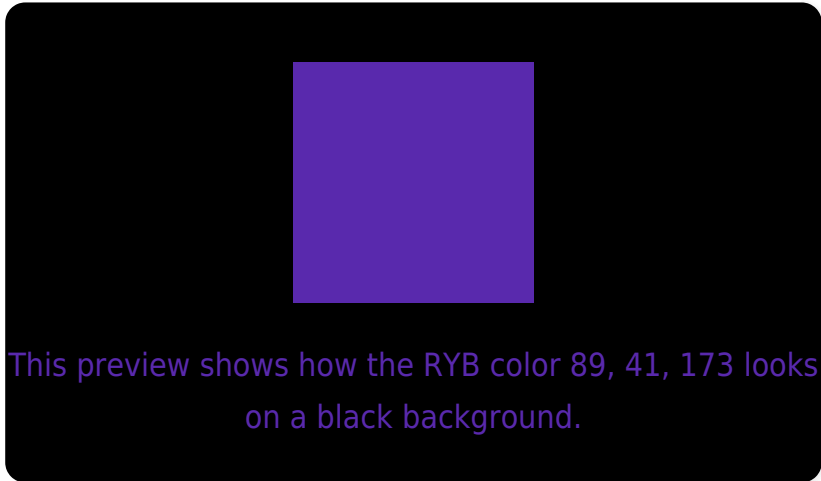
Large Text (above 18pt) WCAG AA ✓ Pass

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

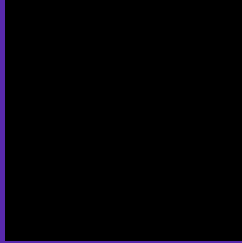
Any Text WCAG AA × Fail

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_YB 89, 41, 173 Background



This preview shows how black text looks on a background with the R_YB color 89, 41, 173.

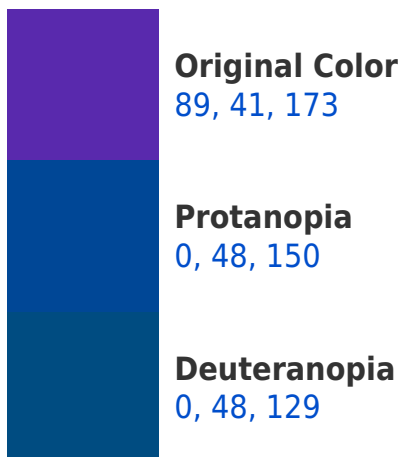


This preview shows how white text looks on a background with the R_YB color 89, 41, 173.

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

64, 71, 82

Trichromacy



Original Color
89, 41, 173

Protanomaly
32, 55, 158

Deuteranomaly
32, 56, 145

Tritanomaly
73, 63, 115

Monochromacy



Original Color
89, 41, 173

Achromatopsia
70, 70, 70

Achromatomaly
77, 59, 107

CSS Examples

Text

The CSS property to change the color of the text to RYB 89, 41, 173 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(89, 41, 173)` looks like.

```
.text, #text, p{  
    color:rgb(89, 41, 173)  
}
```

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(89, 41, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 41, 173) }
```

Border

The CSS property to change the border of an element to RYB 89, 41, 173 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(89, 41, 173) }
```

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

```
.border{ border-color:rgb(89, 41, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 41, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 41, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 41, 173);  
box-shadow:4px 4px 4px 4px rgb(89, 41,  
173) }
```

Background

The CSS property to change the background color of an element to RGB 89, 41, 173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 41, 173) }
```

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

```
.background{ background-color: rgb(89, 41,  
173) }
```

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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