

Converting Colors

`RYB(129, 42, 209)`

Have a look what the booklet for
RYB(129, 42, 209) contains.

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Color

R_YB(129, 42, 209)

Conversions

Conversions Part 1

Format	Color
Hex	812AD1
RGB	129, 42, 209
RGB Percent	51%, 16%, 82%
CMY	0.4941, 0.8353, 0.1804
CMYK	0.38, 0.80, 0.00, 0.18
HSL	271°, 67%, 49%
HSV	271°, 80%, 82%
XYZ	21.3898, 10.9265, 61.3033
YIQ	87.0510, -1.7550, 70.3810

Conversions

Conversions Part 2

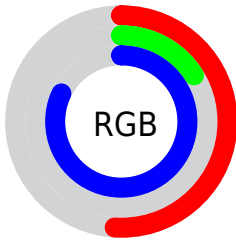
Format	Color
R_{YB}	129, 42, 209
Decimal	8465105
CIE _{Lab}	39.46, 65.09, -69.53
CIE _{LCh}	39, 95.247, 313.112
Yxy	10.9265, 0.2285, 0.1167
Android (android.graphics.Color)	4286655185 (0xFF812AD1)
YUV	87.0510, 60.1209, 36.7893
Hunter-Lab	33.0553, 57.6595, -86.8187

Details

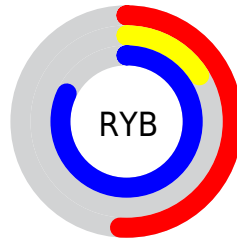
The RYB color **129, 42, 209** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark washed purple. A complement of this color would be **42, 209, 129**, and the grayscale version is **86, 86, 86**.

A 20% lighter version of the original color is **188, 98, 255**, and **69, 0, 153** is the 20% darker color. If you saturate the color by 10%, you get **119, 21, 209**, and if you desaturate by 10%, it is **139, 63, 209**.

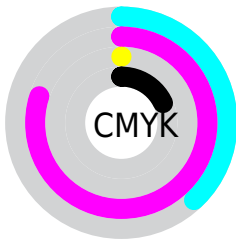
Distribution



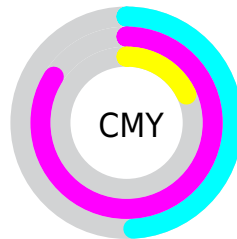
- Red (51%)
- Green (16%)
- Blue (82%)



- Red (51%)
- Yellow (16%)
- Blue (82%)



- Cyan (38%)
- Magenta (80%)
- Yellow (0%)
- Black (18%)



- Cyan (49%)
- Magenta (84%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 129, 42, 209 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 129, 42, 209 by changing the saturation by 10% instead.



129, 42, 209



129, 42, 209

255, 255, 255



100, 0, 181



188, 98, 255



69, 0, 153



218, 126, 255



34, 0, 126



248, 153, 255



0, 0, 101



255, 182, 255



0, 0, 75



255, 210, 255



0, 4, 52



255, 239, 255



0, 2, 30



0, 0, 0



129, 42, 209



129, 42, 209

■ 119, 21, 209

■ 139, 63, 209

■ 109, 0, 209

■ 149, 84, 209

■ 159, 105, 209

■ 169, 126, 209

■ 179, 147, 209

■ 189, 167, 209

■ 199, 188, 209

■ 209, 209, 209

■ 209, 230, 220

Harmonies

Analogous

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



0, 68, 249



129, 42, 209



202, 0, 140

Triad

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



129, 42, 209



149, 139, 0



0, 62, 127

Complementary

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



129, 42, 209



42, 209, 129

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, 87, 119



129, 42, 209



0, 101, 19

Square

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



129, 42, 209



196, 0, 0



0, 113, 113



0, 75, 200

Rectangle

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



129, 42, 209



218, 0, 89



0, 113, 113



0, 65, 120

Sweetspot

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



129, 42, 209



226, 194, 255



42, 97, 209



110, 91, 128



0, 0, 0



128, 128, 128

Same Dimension

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



129, 42, 209



138, 10, 255



209, 42, 206



100, 94, 105



88, 0, 168



21, 0, 41

Inverse Universe

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



209, 42, 122



255, 10, 127



42, 206, 209



105, 94, 99



168, 0, 81



41, 0, 20

Previews

White Background



This preview shows how the RYB color 129, 42, 209 looks on a white background.

Color Contrast Check

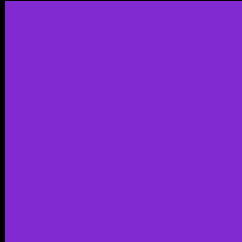
Large Text (above 18pt) WCAG AA ✓ Pass

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 129, 42, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

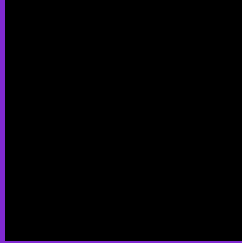
Any Text WCAG AA × Fail

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](#).

RYP 129, 42, 209 Background



This preview shows how black text looks on a background with the RYP color 129, 42, 209.

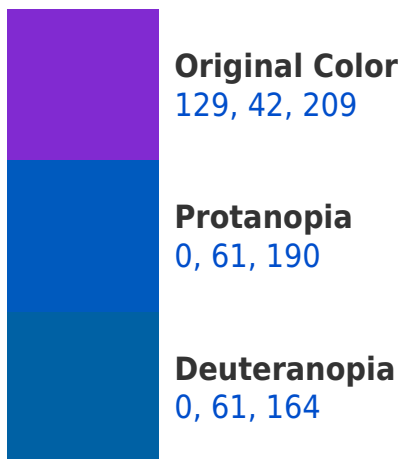



This preview shows how white text looks on a background with the RYP color 129, 42, 209.

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
106, 89, 95

Trichromacy



Original Color

129, 42, 209



Protanomaly

47, 69, 197



Deuteranomaly

47, 71, 180



Tritanomaly

114, 72, 136

Monochromacy



Original Color

129, 42, 209



Achromatopsia

87, 87, 87



Achromatomaly

102, 71, 131

CSS Examples

Text

The CSS property to change the color of the text to RYB 129, 42, 209 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(129, 42, 209)` looks like.

```
.text, #text, p{  
    color:rgb(129, 42, 209)  
}
```

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(129, 42, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 42, 209) }
```

Border

The CSS property to change the border of an element to RYB 129, 42, 209 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(129, 42, 209) }
```

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

```
.border{ border-color:rgb(129, 42, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 42, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 42, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 42, 209);  
box-shadow:4px 4px 4px 4px rgb(129, 42,  
209) }
```

Background

The CSS property to change the background color of an element to RGB 129, 42, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 42, 209) }
```

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

```
.background{ background-color: rgb(129, 42,  
209) }
```

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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