

Converting Colors

`RYB(172, 86, 206)`

Have a look what the booklet for
RYB(172, 86, 206) contains.

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Color

R_YB(172, 86, 206)

Conversions

Conversions Part 1

Format	Color
Hex	AC56CE
RGB	172, 86, 206
RGB Percent	67%, 34%, 81%
CMY	0.3255, 0.6627, 0.1922
CMYK	0.17, 0.58, 0.00, 0.19
HSL	283°, 55%, 57%
HSV	283°, 58%, 81%
XYZ	31.4816, 19.8825, 60.5710
YIQ	125.3940, 12.7360, 55.5520

Conversions

Conversions Part 2

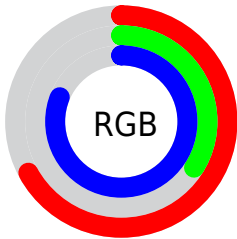
Format	Color
R_{YB}	172, 86, 206
Decimal	11294414
CIE _{Lab}	51.70, 54.12, -47.76
CIE _{LCh}	52, 72.177, 318.574
Yxy	19.8825, 0.2812, 0.1776
Android (android.graphics.Color)	4289484494 (0xFFAC56CE)
YUV	125.3940, 39.7388, 40.8735
Hunter-Lab	44.5898, 47.9940, -49.3270

Details

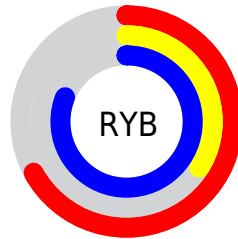
The RYB color **172, 86, 206** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **86, 206, 172**, and the grayscale version is **125, 125, 125**.

A 20% lighter version of the original color is **230, 140, 255**, and **116, 31, 151** is the 20% darker color. If you saturate the color by 10%, you get **166, 65, 206**, and if you desaturate by 10%, it is **178, 107, 206**.

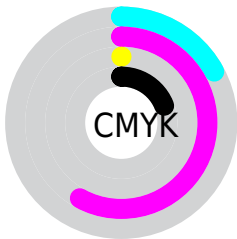
Distribution



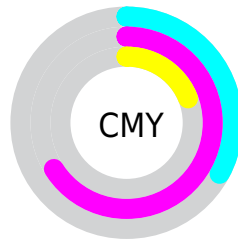
- Red (67%)
- Green (34%)
- Blue (81%)



- Red (67%)
- Yellow (34%)
- Blue (81%)



- Cyan (17%)
- Magenta (58%)
- Yellow (0%)
- Black (19%)



- Cyan (33%)
- Magenta (66%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 86, 206 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 172, 86, 206 by changing the saturation by 10% instead.



172, 86, 206



172, 86, 206

255, 255, 255



144, 59, 178



230, 140, 255



116, 31, 151



255, 167, 255



89, 0, 125



255, 195, 255



62, 0, 99



255, 224, 255



38, 0, 75



255, 253, 255



0, 0, 51



0, 2, 29



0, 0, 0



172, 86, 206



172, 86, 206

■ 166, 65, 206

■ 178, 107, 206

■ 160, 45, 206

■ 184, 127, 206

■ 154, 24, 206

■ 190, 148, 206

■ 149, 4, 206

■ 195, 168, 206

■ 148, 0, 206

■ 201, 189, 206

■ 206, 210, 209

■ 206, 230, 223

■ 206, 251, 238

■ 206, 255, 236

Harmonies

Analogous

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



50, 100, 242



172, 86, 206



220, 52, 150

Triad

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



172, 86, 206



86, 169, 0



0, 78, 161

Complementary

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



172, 86, 206



86, 206, 172

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, 90, 149



172, 86, 206



0, 132, 19

Square

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



172, 86, 206



210, 107, 28



10, 126, 143



0, 88, 215

Rectangle

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



172, 86, 206



230, 45, 108



10, 126, 143



0, 78, 150

Sweetspot

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



172, 86, 206



243, 212, 255



86, 112, 206



120, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



172, 86, 206



204, 77, 255



206, 86, 180



99, 92, 102



119, 0, 166



27, 0, 38

Inverse Universe

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



206, 86, 120



255, 77, 127



86, 185, 206



102, 92, 95



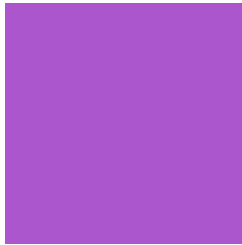
166, 0, 47



38, 0, 11

Previews

White Background



This preview shows how the RYB color 172, 86, 206 looks on a white background.

Color Contrast Check

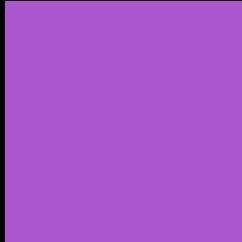
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 172, 86, 206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

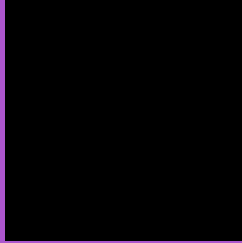
Any Text WCAG AA ✓ Pass

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](#).

RYB 172, 86, 206 Background



This preview shows how black text looks on a background with the RYB color 172, 86, 206.

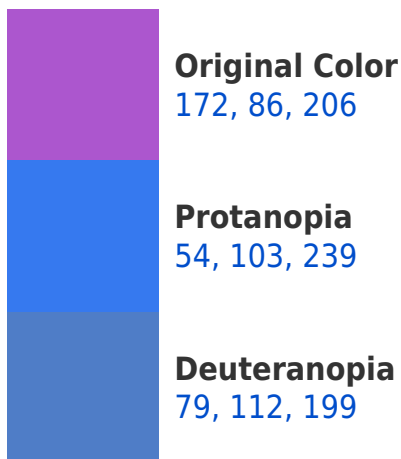


This preview shows how white text looks on a background with the RYB color 172, 86, 206.

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
159, 110, 118

Trichromacy



Original Color

172, 86, 206



Protanomaly

97, 107, 227



Deuteranomaly

113, 110, 202



Tritanomaly

164, 101, 150

Monochromacy



Original Color

172, 86, 206



Achromatopsia

125, 125, 125



Achromatomaly

142, 111, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 86, 206 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(172, 86, 206)` looks like.

```
.text, #text, p{  
    color:rgb(172, 86, 206)  
}
```

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(172, 86, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 86, 206) }
```

Border

The CSS property to change the border of an element to RYB 172, 86, 206 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(172, 86, 206) }
```

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

```
.border{ border-color:rgb(172, 86, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 86, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 86, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 86, 206);  
box-shadow:4px 4px 4px 4px rgb(172, 86,  
206) }
```

Background

The CSS property to change the background color of an element to RYB 172, 86, 206 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 86, 206) }
```

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

```
.background{ background-color: rgb(172, 86,  
206) }
```

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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