

Converting Colors

`RYB(172, 32, 189)`

Have a look what the booklet for
RYB(172, 32, 189) contains.

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Color

R_YB(172, 32, 189)

Conversions

Conversions Part 1

Format	Color
Hex	AC20BD
RGB	172, 32, 189
RGB Percent	67%, 13%, 74%
CMY	0.3255, 0.8745, 0.2588
CMYK	0.09, 0.83, 0.00, 0.26
HSL	294°, 71%, 43%
HSV	294°, 83%, 74%
XYZ	26.7151, 13.4778, 49.3375
YIQ	91.7580, 33.0430, 78.5070

Conversions

Conversions Part 2

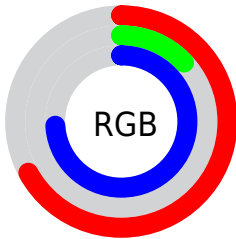
Format	Color
R_{YB}	172, 32, 189
Decimal	11280573
CIE _{Lab}	43.47, 71.17, -51.07
CIE _{LCh}	43, 87.598, 324.335
Yxy	13.4778, 0.2984, 0.1505
Android (android.graphics.Color)	4289470653 (0xFFAC20BD)
YUV	91.7580, 47.9403, 70.3722
Hunter-Lab	36.7121, 65.6466, -53.9815

Details

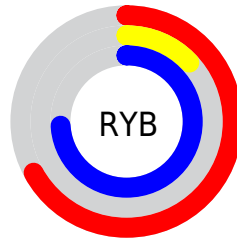
The RYB color **172, 32, 189** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **32, 189, 172**, and the grayscale version is **91, 91, 91**.

A 20% lighter version of the original color is **231, 97, 246**, and **115, 0, 135** is the 20% darker color. If you saturate the color by 10%, you get **170, 13, 189**, and if you desaturate by 10%, it is **174, 51, 189**.

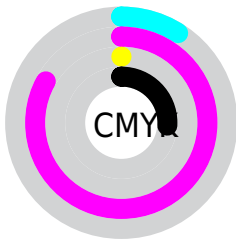
Distribution



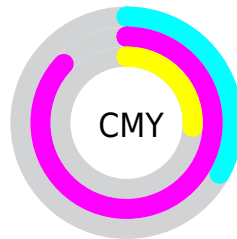
- Red (67%)
- Green (13%)
- Blue (74%)



- Red (67%)
- Yellow (13%)
- Blue (74%)



- Cyan (9%)
- Magenta (83%)
- Yellow (0%)
- Black (26%)



- Cyan (33%)
- Magenta (87%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 32, 189 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, 32, 189 by changing the saturation by 10% instead.



172, 32, 189



172, 32, 189

255, 255, 255



143, 0, 161



231, 97, 246



115, 0, 135



255, 126, 255



87, 0, 109



255, 154, 255



60, 0, 84



255, 183, 255



31, 0, 60



255, 212, 255



0, 2, 37



255, 242, 255



0, 1, 13



0, 0, 0



172, 32, 189



172, 32, 189

■ 170, 13, 189

■ 174, 51, 189

■ 169, 0, 189

■ 176, 70, 189

■ 178, 89, 189

■ 180, 108, 189

■ 182, 127, 189

■ 184, 145, 189

■ 186, 164, 189

■ 188, 183, 189

■ 189, 202, 201

Harmonies

Analogous

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



0, 65, 238



172, 32, 189



218, 0, 120

Triad

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



172, 32, 189



59, 137, 0



0, 72, 161

Complementary

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



172, 32, 189



32, 189, 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, 78, 130



172, 32, 189



0, 116, 49

Square

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



172, 32, 189



189, 78, 0



0, 125, 125



0, 82, 222

Rectangle

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



172, 32, 189



223, 0, 72



0, 125, 125



0, 67, 137

Sweetspot

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



172, 32, 189



238, 184, 245



32, 48, 189



118, 86, 122



250, 250, 250



122, 122, 122

Same Dimension

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



172, 32, 189



218, 0, 245



189, 32, 129



93, 85, 94



141, 0, 158



27, 0, 31

Inverse Universe

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



189, 32, 49



245, 0, 27



32, 146, 189



94, 85, 86



158, 0, 17



31, 0, 3

Previews

White Background



This preview shows how the RYB color 172, 32, 189 looks on a white background.

Color Contrast Check

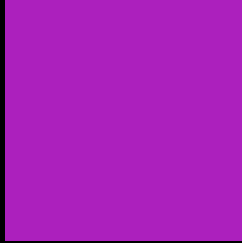
Large Text (above 18pt) WCAG AA ✓ Pass

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 172, 32, 189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

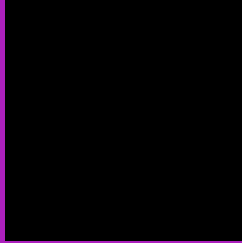
Any Text WCAG AA × Fail

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](#).

RYB 172, 32, 189 Background



This preview shows how black text looks on a background with the RYB color 172, 32, 189.

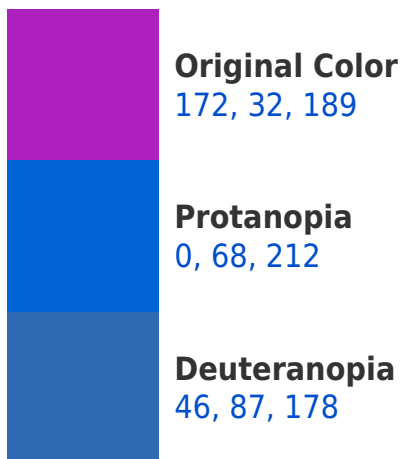



This preview shows how white text looks on a background with the RYB color 172, 32, 189.

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, 78, 84

Trichromacy



Original Color

172, 32, 189



Protanomaly

63, 74, 204



Deuteranomaly

92, 78, 182



Tritanomaly

164, 61, 122

Monochromacy



Original Color

172, 32, 189



Achromatopsia

92, 92, 92



Achromatomaly

121, 70, 127

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 32, 189 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, 32, 189)` looks like.

```
.text, #text, p{  
    color:rgb(172, 32, 189)  
}
```

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, 32, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 32, 189) }
```

Border

The CSS property to change the border of an element to RYB 172, 32, 189 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, 32, 189) }
```

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

```
.border{ border-color:rgb(172, 32, 189) }
```

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

Here you see how a box with a 4 pixel rgb(172, 32, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 32, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 32, 189);  
box-shadow:4px 4px 4px 4px rgb(172, 32,  
189) }
```

Background

The CSS property to change the background color of an element to RYB 172, 32, 189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 32, 189) }
```

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

```
.background{ background-color: rgb(172, 32,  
189) }
```

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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