

Converting Colors

`RYB(180, 18, 175)`

Have a look what the booklet for
RYB(180, 18, 175) contains.

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Color

R_YB(180, 18, 175)

Conversions

Conversions Part 1

Format	Color
Hex	B412AF
RGB	180, 18, 175
RGB Percent	71%, 7%, 69%
CMY	0.2941, 0.9294, 0.3137
CMYK	0.00, 0.90, 0.03, 0.29
HSL	302°, 82%, 39%
HSV	302°, 90%, 71%
XYZ	26.7766, 13.2311, 41.7000
YIQ	84.3360, 46.1550, 83.1710

Conversions

Conversions Part 2

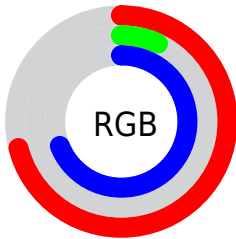
Format	Color
R_{YB}	180, 18, 175
Decimal	11801263
CIE _{Lab}	43.11, 72.99, -43.33
CIE _{LCh}	43, 84.884, 329.307
Yxy	13.2311, 0.3277, 0.1619
Android (android.graphics.Color)	4289991343 (0xFFB412AF)
YUV	84.3360, 44.6974, 83.8973
Hunter-Lab	36.3745, 67.7447, -42.5083

Details

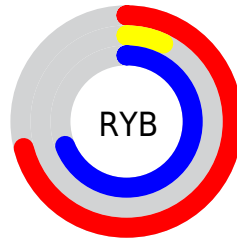
The RYB color **180, 18, 175** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **18, 175, 180**, and the grayscale version is **84, 84, 84**.

A 20% lighter version of the original color is **239, 91, 231**, and **122, 0, 122** is the 20% darker color. If you saturate the color by 10%, you get **180, 0, 174**, and if you desaturate by 10%, it is **180, 36, 176**.

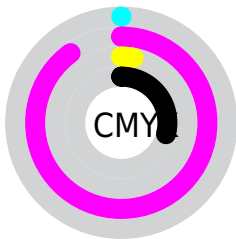
Distribution



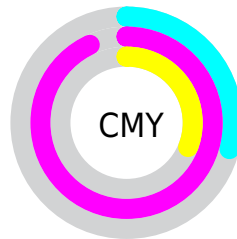
- Red (71%)
- Green (7%)
- Blue (69%)



- Red (71%)
- Yellow (7%)
- Blue (69%)



- Cyan (0%)
- Magenta (90%)
- Yellow (3%)
- Black (29%)




- Cyan (29%)
- Magenta (93%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 180, 18, 175 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 180, 18, 175 by changing the saturation by 10% instead.

 180, 18, 175

255, 255, 255

 239, 91, 231


 255, 121, 255


 255, 150, 255

 255, 179, 255

 255, 208, 255

 255, 238, 255

 180, 18, 175

 151, 0, 148

 122, 0, 122


 94, 0, 96

 68, 0, 72

 40, 0, 49

 0, 1, 26

 0, 0, 0

 180, 18, 175


 180, 0, 174


 180, 18, 175


 180, 36, 176


 180, 54, 176


 180, 72, 177


 180, 90, 177

 180, 108, 178

 180, 126, 178

 180, 144, 179

 180, 162, 179

 180, 180, 180

Harmonies

Analogous

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



74, 83, 227



180, 18, 175



216, 0, 107

Triad

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



180, 18, 175



34, 126, 0



0, 73, 170

Complementary

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



180, 18, 175



18, 175, 180

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, 73, 129



180, 18, 175



0, 117, 64

Square

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



180, 18, 175



179, 102, 0



0, 112, 125



0, 81, 224

Rectangle

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



180, 18, 175



217, 0, 61



0, 112, 125



0, 69, 147

Sweetspot

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



180, 18, 175



235, 171, 233



21, 18, 180



117, 80, 116



245, 245, 245



117, 117, 117

Same Dimension

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



180, 18, 175



235, 0, 227



180, 18, 96



89, 80, 89



153, 0, 148



26, 0, 25

Inverse Universe

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



180, 18, 175



235, 0, 227



18, 125, 180



89, 80, 89



153, 0, 148



26, 0, 25

Previews

White Background



This preview shows how the RYB color 180, 18, 175 looks on a white background.

Color Contrast Check

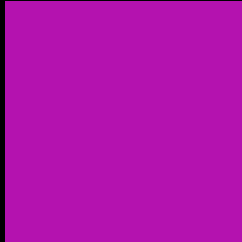
Large Text (above 18pt) WCAG AA ✓ Pass

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 180, 18, 175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

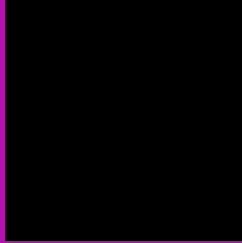
Any Text WCAG AA × Fail

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](#).

R Y B 180, 18, 175 Background



This preview shows how black text looks on a background with the RYB color 180, 18, 175.

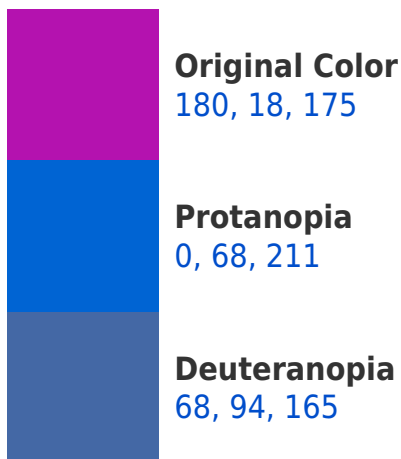


This preview shows how white text looks on a background with the RYB color 180, 18, 175.

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
169, 70, 75

Trichromacy



Original Color

180, 18, 175



Protanomaly

65, 70, 198



Deuteranomaly

109, 72, 169



Tritanomaly

173, 51, 111

Monochromacy



Original Color

180, 18, 175



Achromatopsia

84, 84, 84



Achromatomaly

119, 60, 117

CSS Examples

Text

The CSS property to change the color of the text to RYB 180, 18, 175 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(180, 18, 175)` looks like.

```
.text, #text, p{  
    color:rgb(180, 18, 175)  
}
```

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(180, 18, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 18, 175) }
```

Border

The CSS property to change the border of an element to RYB 180, 18, 175 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(180, 18, 175) }
```

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

```
.border{ border-color:rgb(180, 18, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 18, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 18, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 18, 175);  
box-shadow:4px 4px 4px 4px rgb(180, 18,  
175) }
```

Background

The CSS property to change the background color of an element to RGB 180, 18, 175 is called "background".

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

```
.background, #background, body{  
background: rgb(180, 18, 175) }
```

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

```
.background{ background-color: rgb(180, 18,  
175) }
```

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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