Converting Colors

RGB(180, 76, 170)

Have a look what the booklet for RGB(180, 76, 170) contains.

Color

RGB(180, 76, 170)

Conversions

Conversions Part 1

Format	Color
Hex	B44CAA
RGB	180, 76, 170
RGB Percent	71%, 30%, 67%
CMY	0.2941, 0.7020, 0.3333
CMYK	0.00, 0.58, 0.06, 0.29
HSL	306°, 41%, 50%
HSV	306°, 58%, 71%
XYZ	28.6625, 17.7745, 39.9503
YIQ	117.8120, 31.8100, 51.2820

Conversions

Conversions Part 2

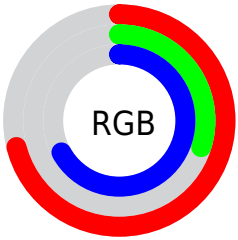
Format	Color
RYB	180, 76, 170
Decimal	11816106
CIELab	49.22, 54.17, -30.73
CIELCh	49, 62.279, 330.434
Yxy	17.7745, 0.3318, 0.2058
Android (android.graphics.Color)	4290006186 (0xFFB44CAA)
YUV	117.8120, 25.7287, 54.5389
Hunter-Lab	42.1598, 47.5745, -26.6710

Details

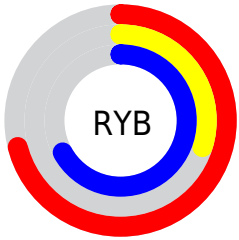
The RGB color 180, 76, 170 is a dark color, and the websafe version is hex 993399. A complement of this color would be 76, 180, 86, and the grayscale version is 118, 118, 118.

A 20% lighter version of the original color is 238, 130, 226, and 124, 14, 117 is the 20% darker color. If you saturate the color by 10%, you get 180, 58, 168, and if you desaturate by 10%, it is 180, 94, 172.

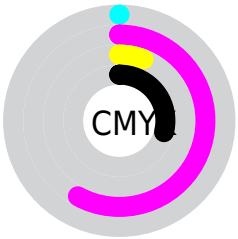
Distribution



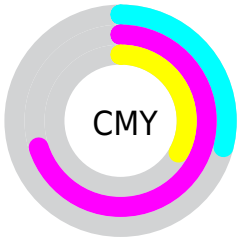
- Red (71%)
- Green (30%)
- Blue (67%)



- Red (71%)
- Yellow (30%)
- Blue (67%)



- Cyan (0%)
- Magenta (58%)
- Yellow (6%)
- Black (29%)



- Cyan (29%)
- Magenta (70%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RGB color 180, 76, 170 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 RGB color 180, 76, 170 by changing the saturation by 10% instead.

180, 76, 170	180, 76, 170
255, 255, 255	152, 48, 143
238, 130, 226	124, 14, 117
255, 158, 254	97, 0, 92
255, 186, 255	71, 0, 68
255, 214, 255	48, 0, 46
255, 244, 255	6, 0, 24
	0, 0, 0

180, 76, 170	180, 76, 170
180, 58, 168	180, 94, 172

180, 40, 167

180, 22, 165

180, 4, 163

180, 0, 163

180, 112, 173

180, 130, 175

180, 148, 177

180, 166, 179

180, 184, 180

180, 202, 182

180, 220, 184

180, 238, 186

Harmonies

Analogous

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

114, 102, 209

180, 76, 170

208, 58, 119

Triad

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

180, 76, 170

140, 115, 0

0, 140, 169

Complementary

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

180, 76, 170

76, 180, 86

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, 141, 116

180, 76, 170

87, 129, 0

Square

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

180, 76, 170

181, 94, 16

0, 137, 61

0, 135, 209

Rectangle

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

180, 76, 170

209, 63, 84

0, 137, 61

0, 141, 152

Sweetspot

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

180, 76, 170

235, 195, 231

85, 76, 180

117, 94, 115

245, 245, 245

117, 117, 117

Same Dimension

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

180, 76, 170

235, 73, 219

180, 76, 119

89, 80, 88

153, 0, 138

26, 0, 23

Inverse Universe

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

180, 76, 170

235, 73, 219

76, 180, 137

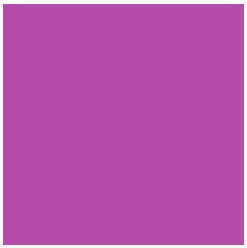
89, 80, 88

153, 0, 138

26, 0, 23

Previews

White Background

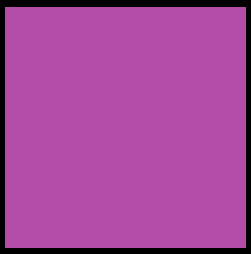


This preview shows how the RGB color 180, 76, 170 looks on a white background.

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



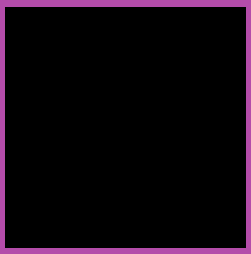
This preview shows how the RGB color 180, 76, 170 looks on a black background.

Color Contrast Check

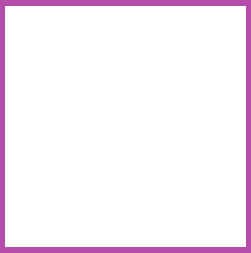
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RGB 180, 76, 170 Background



This preview shows how black text looks on a background with the RGB color 180, 76, 170.



This preview shows how white text looks on a background with the RGB color 180, 76, 170.

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

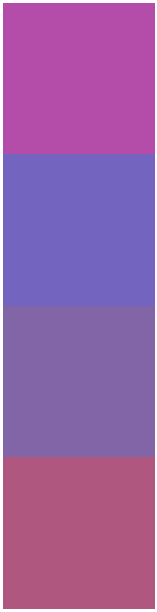
Original Color
180, 76, 170

Protanopia
78, 115, 203

Deuteranopia
102, 116, 163

Tritanopia
172, 94, 101

Trichromacy



Original Color
180, 76, 170

Protanomaly
115, 101, 191

Deuteranomaly
130, 101, 166

Tritanomaly
175, 87, 126

Monochromacy

Original Color
180, 76, 170

Achromatopsia
118, 118, 118

Achromatomaly
141, 103, 137

CSS Examples

Text

The CSS property to change the color of the text to RGB 180, 76, 170 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, 76, 170) looks like.

```
.text, #text, p{
    color:rgb(180, 76, 170)
}
```

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, 76, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 76, 170) }
```

Border

The CSS property to change the border of an element to RGB 180, 76, 170 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, 76, 170) }
```

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

```
.border{ border-color:rgb(180, 76, 170) }
```

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

Here you see how a box with a 4 pixel rgb(180, 76, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 76, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 76, 170); box-shadow:4px 4px 4px 4px rgb(180, 76, 170) }
```

Background

The CSS property to change the background color of an element to RGB 180, 76, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(180, 76, 170) }
```

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

```
.background{ background-color:rgb(180, 76,
170) }
```

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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