Converting Colors

RYB(216, 180, 233)

Have a look what the booklet for RYB(216, 180, 233) contains.

Color

RYB(216, 180, 233)

Conversions

Conversions Part 1

Format	Color
Hex	D8B4E9
RGB	216, 180, 233
RGB Percent	85%, 71%, 91%
CMY	0.1529, 0.2941, 0.0863
CMYK	0.07, 0.23, 0.00, 0.09
HSL	281°, 55%, 81%
HSV	281°, 23%, 91%
XYZ	59.3481, 53.1246, 84.2169
YIQ	196.8060, 4.4430, 24.1150

Conversions

Conversions Part 2

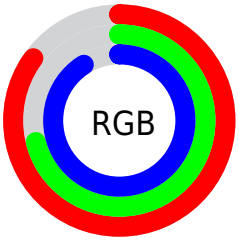
Format	Color
RYB	216, 180, 233
Decimal	14202089
CIELab	77.95, 22.41, -21.61
CIELCh	78, 31.129, 316.043
Yxy	53.1246, 0.3017, 0.2701
Android (android.graphics.Color)	4292392169 (0xFFD8B4E9)
YUV	196.8060, 17.8436, 16.8331
Hunter-Lab	72.8867, 17.7924, -17.4860

Details

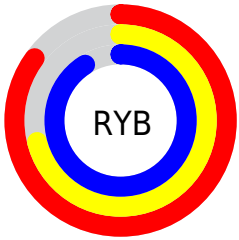
The RYB color 216, 180, 233 is a light color, and the websafe version is hex CC99CC. A complement of this color would be 180, 233, 216, and the grayscale version is 197, 197, 197.

A 20% lighter version of the original color is 255, 236, 255, and 161, 127, 177 is the 20% darker color. If you saturate the color by 10%, you get 209, 157, 233, and if you desaturate by 10%, it is 223, 203, 233.

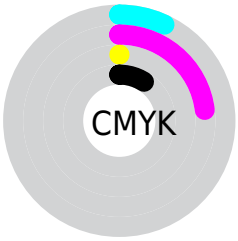
Distribution



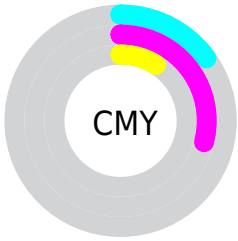
- Red (85%)
- Green (71%)
- Blue (91%)



- Red (85%)
- Yellow (71%)
- Blue (91%)



- Cyan (7%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (29%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 216, 180, 233 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 216, 180, 233 by changing the saturation by 10% instead.

216, 180, 233	216, 180, 233
255, 255, 255	188, 153, 205
255, 236, 255	161, 127, 177
	134, 102, 150
	109, 77, 124
	84, 54, 99
	60, 32, 75
	37, 11, 52
	14, 0, 31
	0, 0, 2

216, 180, 233

209, 157, 233

201, 133, 233

194, 110, 233

186, 87, 233

179, 64, 233

171, 40, 233

164, 17, 233

158, 0, 233

216, 180, 233

223, 203, 233

231, 227, 233

233, 250, 245

233, 255, 242

233, 255, 235

233, 255, 233

Harmonies

Analogous

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

178, 188, 248

216, 180, 233

241, 173, 207

Triad

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

216, 180, 233

210, 226, 137

107, 158, 209

Complementary

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

216, 180, 233

180, 233, 216

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.

132, 179, 208

216, 180, 233

138, 197, 137

Square

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

216, 180, 233

245, 186, 152

152, 203, 190

107, 162, 233

Rectangle

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

216, 180, 233

250, 171, 188

152, 203, 190

113, 164, 209

Sweetspot

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

216, 180, 233

249, 237, 255

180, 193, 233

124, 117, 128

0, 0, 0

128, 128, 128

Same Dimension

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

216, 180, 233

233, 186, 255

233, 180, 224

114, 106, 117

123, 0, 181

36, 0, 54

Inverse Universe

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

233, 180, 197

255, 186, 208

180, 225, 233

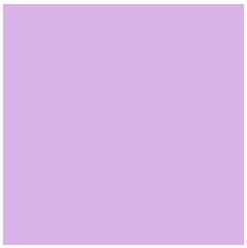
117, 106, 109

181, 0, 58

54, 0, 17

Previews

White Background

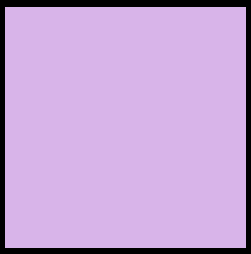


This preview shows how the RYB color 216, 180, 233 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

Black Background



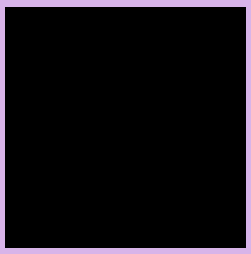
This preview shows how the RYB color 216, 180, 233 looks on a black background.

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 ✓ Pass

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

RYB 216, 180, 233 Background



This preview shows how black text looks on a background with the RYB color 216, 180, 233.

This preview shows how white text looks on a background with the RYB color 216, 180, 233.

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

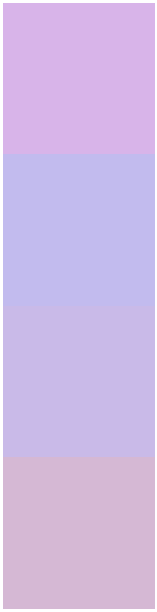
Original Color
216, 180, 233

Protanopia
181, 190, 241

Deuteranopia
193, 189, 231

Tritanopia
211, 186, 200

Trichromacy



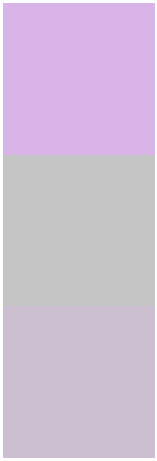
Original Color
216, 180, 233

Protanomaly
194, 187, 238

Deuteranomaly
201, 186, 232

Tritanomaly
213, 184, 212

Monochromacy



Original Color
216, 180, 233

Achromatopsia
197, 197, 197

Achromatomaly
204, 191, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 216, 180, 233 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(216, 180, 233) looks like.

```
.text, #text, p{
    color:rgb(216, 180, 233)
}
```

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(216, 180, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 180, 233) }
```

Border

The CSS property to change the border of an element to RYB 216, 180, 233 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(216, 180, 233) }
```

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

```
.border{ border-color:rgb(216, 180, 233) }
```

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

Here you see how a box with a 4 pixel rgb(216, 180, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 180, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 180, 233); box-shadow:4px 4px 4px 4px rgb(216, 180, 233) }
```

Background

The CSS property to change the background color of an element to RYB 216, 180, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(216, 180, 233) }
```

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

```
.background{ background-color:rgb(216,
180, 233) }
```

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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