

Converting Colors

`RYB(196, 56, 214)`

Have a look what the booklet for RYB(196, 56, 214) contains.

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Color

R_YB(196, 56, 214)

Conversions

Conversions Part 1

Format	Color
Hex	C438D6
RGB	196, 56, 214
RGB Percent	77%, 22%, 84%
CMY	0.2314, 0.7804, 0.1608
CMYK	0.08, 0.74, 0.00, 0.16
HSL	293°, 66%, 53%
HSV	293°, 74%, 84%
XYZ	36.3167, 19.4191, 65.4525
YIQ	115.8720, 32.7220, 78.8180

Conversions

Conversions Part 2

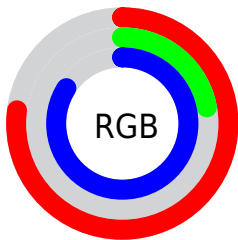
Format	Color
R _Y B	196, 56, 214
Decimal	12859606
CIE Lab	51.17, 73.28, -52.97
CIE LCh	51, 90.421, 324.136
Yxy	19.4191, 0.2997, 0.1602
Android (android.graphics.Color)	4291049686 (0xFFC438D6)
YUV	115.8720, 48.3771, 70.2723
Hunter-Lab	44.0672, 69.9883, -57.2158

Details

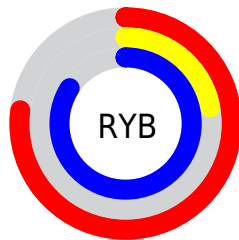
The RYB color **196, 56, 214** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **56, 214, 196**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **255, 117, 255**, and **138, 0, 158** is the 20% darker color. If you saturate the color by 10%, you get **194, 35, 214**, and if you desaturate by 10%, it is **198, 77, 214**.

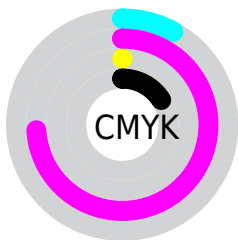
Distribution



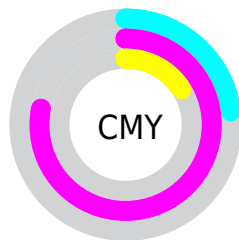
- Red (77%)
- Green (22%)
- Blue (84%)



- Red (77%)
- Yellow (22%)
- Blue (84%)



- Cyan (8%)
- Magenta (74%)
- Yellow (0%)
- Black (16%)




















- Cyan (23%)
- Magenta (78%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 56, 214 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 196, 56, 214 by changing the saturation by 10% instead.

 196, 56, 214	 196, 56, 214
 255, 255, 255	 167, 11, 186
 255, 117, 255	 138, 0, 158
 255, 145, 255	 109, 0, 132
 255, 174, 255	 81, 0, 106
 255, 204, 255	 55, 0, 81
 255, 233, 255	 24, 0, 57
	 0, 2, 34
	 0, 0, 8
	 0, 0, 0

■ 196, 56, 214

■ 196, 56, 214

■ 194, 35, 214

■ 198, 77, 214

■ 191, 13, 214

■ 201, 99, 214

■ 190, 0, 214

■ 203, 120, 214

■ 206, 142, 214

■ 208, 163, 214

■ 211, 184, 214

■ 213, 206, 214

■ 214, 227, 225

■ 214, 249, 245

Harmonies

Analogous

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



48, 95, 255



196, 56, 214



245, 0, 141

Triad

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



196, 56, 214



66, 161, 0



0, 84, 184

Complementary

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



196, 56, 214



56, 214, 196

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, 152



196, 56, 214



0, 136, 48

Square

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



196, 56, 214



216, 113, 0



0, 146, 147



0, 93, 248

Rectangle

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



196, 56, 214



251, 0, 90



0, 146, 147



0, 78, 158

Sweetspot

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



196, 56, 214



249, 199, 255



56, 72, 214



124, 94, 128



0, 0, 0



128, 128, 128

Same Dimension

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



196, 56, 214



229, 28, 255



214, 56, 153



106, 96, 107



151, 0, 171



38, 0, 43

Inverse Universe

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



214, 56, 74



255, 28, 54



56, 170, 214



107, 96, 98



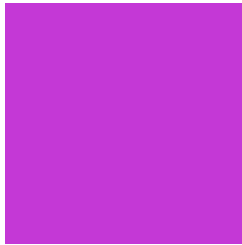
171, 0, 19



43, 0, 5

Previews

White Background



This preview shows how the RYB color 196, 56, 214 looks on a white background.

Color Contrast Check

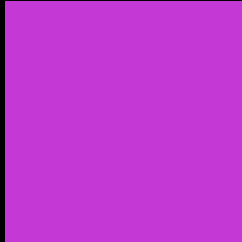
Large Text (above 18pt) WCAG AA ✓ Pass

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 196, 56, 214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

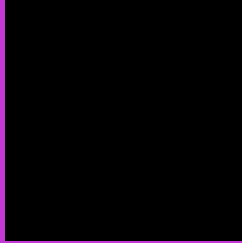
Any Text WCAG AA ✓ Pass

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 196, 56, 214 Background



This preview shows how black text looks on a background with the RYB color 196, 56, 214.

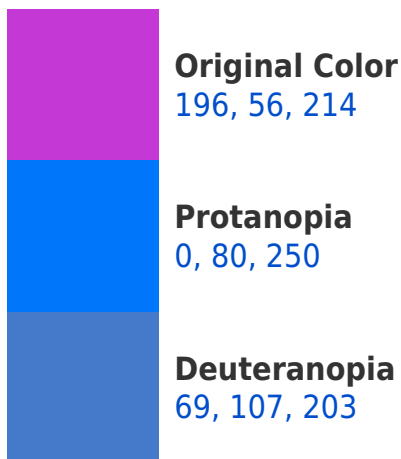


This preview shows how white text looks on a background with the RYB color 196, 56, 214.

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
182, 96, 103

Trichromacy



Original Color

196, 56, 214



Protanomaly

71, 92, 237



Deuteranomaly

115, 99, 207



Tritanomaly

187, 81, 143

Monochromacy



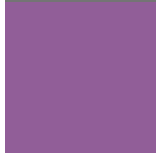
Original Color

196, 56, 214



Achromatopsia

116, 116, 116



Achromatomaly

145, 94, 152

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 56, 214 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(196, 56, 214)` looks like.

```
.text, #text, p{  
    color:rgb(196, 56, 214)  
}
```

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(196, 56, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 56, 214) }
```

Border

The CSS property to change the border of an element to RYB 196, 56, 214 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(196, 56, 214) }
```

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

```
.border{ border-color:rgb(196, 56, 214) }
```

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

Here you see how a box with a 4 pixel rgb(196, 56, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 56, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 56, 214);  
box-shadow:4px 4px 4px 4px rgb(196, 56,  
214) }
```

Background

The CSS property to change the background color of an element to RGB 196, 56, 214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 56, 214) }
```

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

```
.background{ background-color: rgb(196, 56,  
214) }
```

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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