

Converting Colors

`RYB(220, 86, 164)`

Have a look what the booklet for
RYB(220, 86, 164) contains.

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Color

`RYB(220, 86, 164)`

Conversions

Conversions Part 1

Format	Color
Hex	DC56A4
RGB	220, 86, 164
RGB Percent	86%, 34%, 64%
CMY	0.1373, 0.6627, 0.3569
CMYK	0.00, 0.61, 0.25, 0.14
HSL	325°, 66%, 60%
HSV	325°, 61%, 86%
XYZ	39.5438, 24.5516, 37.7767
YIQ	134.9580, 54.8260, 52.6660

Conversions

Conversions Part 2

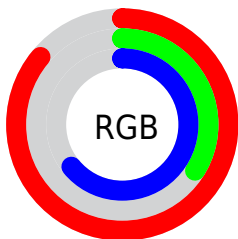
Format	Color
R _{YB}	220, 86, 164
Decimal	14440100
CIE Lab	56.64, 60.18, -15.30
CIE LCh	57, 62.094, 345.735
Yxy	24.5516, 0.3882, 0.2410
Android (android.graphics.Color)	4292630180 (0xFFDC56A4)
YUV	134.9580, 14.3177, 74.5818
Hunter-Lab	49.5495, 55.7432, -10.5182

Details

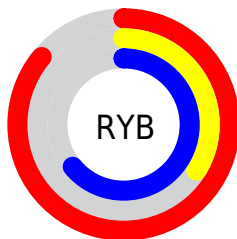
The RYB color **220, 86, 164** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **86, 181, 220**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **255, 142, 219**, and **161, 21, 112** is the 20% darker color. If you saturate the color by 10%, you get **220, 64, 155**, and if you desaturate by 10%, it is **220, 108, 173**.

Distribution



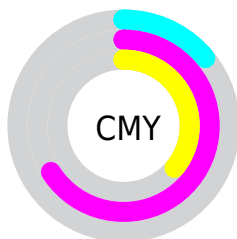
- Red (86%)
- Green (34%)
- Blue (64%)



- Red (86%)
- Yellow (34%)
- Blue (64%)



- Cyan (0%)
- Magenta (61%)
- Yellow (25%)
- Black (14%)



- Cyan (14%)
- Magenta (66%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 220, 86, 164 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 220, 86, 164 by changing the saturation by 10% instead.



220, 86, 164



220, 86, 164

255, 255, 255



190, 57, 138



255, 142, 219



161, 21, 112



255, 170, 248



133, 0, 88



255, 199, 255



105, 0, 64



255, 228, 255



77, 0, 42



52, 0, 21



7, 0, 0



0, 0, 0



220, 86, 164



220, 86, 164

■ 220, 64, 155

■ 220, 108, 173

■ 220, 42, 146

■ 220, 130, 182

■ 220, 20, 136

■ 220, 152, 192

■ 220, 0, 128

■ 220, 174, 201

■ 220, 196, 210

■ 220, 218, 219

■ 220, 234, 240

■ 220, 243, 255

■ 220, 240, 255

Harmonies

Analogous

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



174, 108, 212



220, 86, 164



233, 83, 110

Triad

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



220, 86, 164



4, 142, 11



0, 91, 212

Complementary

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



220, 86, 164



86, 181, 220

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, 81, 164



220, 86, 164



54, 154, 137

Square

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



220, 86, 164



107, 184, 14



0, 95, 159



0, 92, 241

Rectangle

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



220, 86, 164



226, 96, 76



0, 95, 159



0, 88, 198

Sweetspot

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



220, 86, 164



255, 209, 236



142, 86, 220



128, 99, 116



0, 0, 0



128, 128, 128

Same Dimension

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



220, 86, 164



255, 69, 177



220, 86, 97



110, 99, 105



173, 0, 101



46, 0, 27

Inverse Universe

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



220, 86, 164



255, 69, 177



86, 156, 220



110, 99, 105



173, 0, 101



46, 0, 27

Previews

White Background



This preview shows how the RYB color 220, 86, 164 looks on a white background.

Color Contrast Check

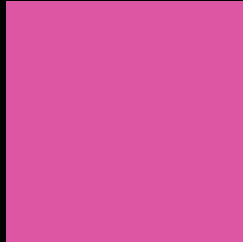
Large Text (above 18pt) WCAG AA ✓ Pass

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 220, 86, 164 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 220, 86, 164 Background



This preview shows how black text looks on a background with the RYB color 220, 86, 164.

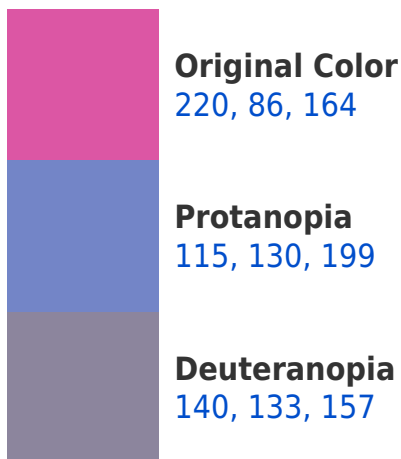


This preview shows how white text looks on a background with the RYB color 220, 86, 164.

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
215, 100, 106

Trichromacy



Original Color

220, 86, 164



Protanomaly

153, 117, 186



Deuteranomaly

169, 116, 160



Tritanomaly

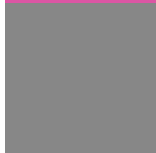
217, 95, 127

Monochromacy



Original Color

220, 86, 164



Achromatopsia

135, 135, 135



Achromatomaly

166, 117, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 220, 86, 164 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(220, 86, 164)` looks like.

```
.text, #text, p{  
    color:rgb(220, 86, 164)  
}
```

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(220, 86, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 86, 164) }
```

Border

The CSS property to change the border of an element to RYB 220, 86, 164 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(220, 86, 164) }
```

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

```
.border{ border-color:rgb(220, 86, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 86, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 86, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 86, 164); box-shadow:4px 4px 4px 4px rgb(220, 86, 164) }
```

Background

The CSS property to change the background color of an element to RGB 220, 86, 164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 86, 164) }
```

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

```
.background{ background-color: rgb(220, 86,  
164) }
```

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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