

Converting Colors

`RYB(228, 164, 205)`

Have a look what the booklet for
RYB(228, 164, 205) contains.

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Color

R_YB(228, 164, 205)

Conversions

Conversions Part 1

Format	Color
Hex	E4A4CD
RGB	228, 164, 205
RGB Percent	89%, 64%, 80%
CMY	0.1059, 0.3569, 0.1961
CMYK	0.00, 0.28, 0.10, 0.11
HSL	322°, 54%, 77%
HSV	322°, 28%, 89%
XYZ	56.2898, 47.4527, 63.9501
YIQ	187.8100, 24.9830, 26.3190

Conversions

Conversions Part 2

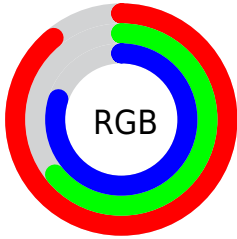
Format	Color
R _Y B	228, 164, 205
Decimal	14984397
CIE Lab	74.48, 29.90, -11.49
CIE LCh	74, 32.028, 338.971
Yxy	47.4527, 0.3357, 0.2830
Android (android.graphics.Color)	4293174477 (0xFFE4A4CD)
YUV	187.8100, 8.4747, 35.2466
Hunter-Lab	68.8859, 25.3102, -6.8216

Details

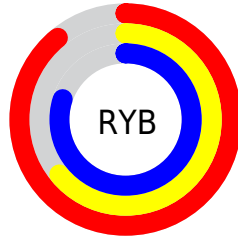
The RYB color **228, 164, 205** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **164, 211, 228**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **255, 219, 255**, and **172, 111, 151** is the 20% darker color. If you saturate the color by 10%, you get **228, 141, 197**, and if you desaturate by 10%, it is **228, 187, 213**.

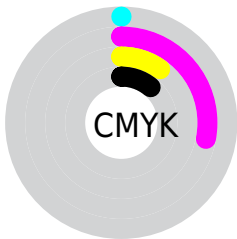
Distribution



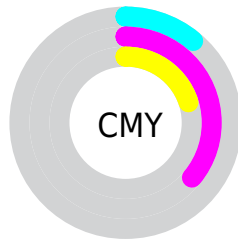
- Red (89%)
- Green (64%)
- Blue (80%)



- Red (89%)
- Yellow (64%)
- Blue (80%)



- Cyan (0%)
- Magenta (28%)
- Yellow (10%)
- Black (11%)




- Cyan (11%)
- Magenta (36%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the RYB color 228, 164, 205 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 228, 164, 205 by changing the saturation by 10% instead.


 228, 164, 205

 228, 164, 205

255, 255, 255

 200, 137, 178


 255, 219, 255


 172, 111, 151

 255, 248, 255

 145, 86, 125

 118, 62, 100

 93, 39, 76

 68, 15, 53

 45, 0, 32

 13, 0, 5

 0, 0, 0

■ 228, 164, 205

■ 228, 164, 205

■ 228, 141, 197

■ 228, 187, 213

■ 228, 118, 189

■ 228, 210, 221

■ 228, 96, 180

■ 228, 231, 232

■ 228, 73, 172

■ 228, 248, 255

■ 228, 50, 164

■ 228, 244, 255

■ 228, 27, 156

■ 228, 242, 255

■ 228, 4, 148

■ 228, 242, 255

■ 228, 0, 146

Harmonies

Analogous

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



199, 173, 229



228, 164, 205



242, 161, 175

Triad

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



228, 164, 205



138, 195, 125



89, 148, 219

Complementary

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



228, 164, 205



164, 211, 228

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.



98, 151, 200



228, 164, 205



137, 192, 166

Square

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



228, 164, 205



222, 216, 129



128, 176, 198



115, 162, 237

Rectangle

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



228, 164, 205



241, 164, 156



128, 176, 198



88, 146, 211

Sweetspot

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



228, 164, 205



255, 235, 248



186, 164, 228



128, 115, 123



0, 0, 0



128, 128, 128

Same Dimension

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



228, 164, 205



255, 168, 224



228, 164, 174



115, 103, 111



179, 0, 114



51, 0, 33

Inverse Universe

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



228, 164, 205



255, 168, 224



164, 199, 228



115, 103, 111



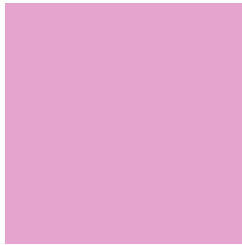
179, 0, 114



51, 0, 33

Previews

White Background



This preview shows how the RYB color 228, 164, 205 looks on a white background.

Color Contrast Check

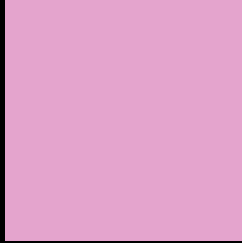
Large Text (above 18pt) WCAG AA × Fail

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 228, 164, 205 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 228, 164, 205 Background



This preview shows how black text looks on a background with the RYB color 228, 164, 205.



This preview shows how white text looks on a background with the RYB color 228, 164, 205.

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
228, 164, 205

Protanopia
177, 181, 217

Deuteranopia
193, 179, 202



Tritanopia
225, 168, 181

Trichromacy



Original Color
228, 164, 205

Protanomaly
196, 175, 213

Deuteranomaly
206, 174, 203

Tritanomaly
226, 167, 190

Monochromacy



Original Color
228, 164, 205

Achromatopsia
188, 188, 188

Achromatomaly
203, 179, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 164, 205 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(228, 164, 205) looks like.

```
.text, #text, p{  
    color:rgb(228, 164, 205)  
}
```

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(228, 164, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 164, 205) }
```

Border

The CSS property to change the border of an element to RYB 228, 164, 205 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(228, 164, 205) }
```

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

```
.border{ border-color:rgb(228, 164, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 164, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 164, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 164, 205); box-shadow:4px 4px 4px 4px rgb(228, 164, 205) }
```

Background

The CSS property to change the background color of an element to RYB 228, 164, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 164, 205) }
```

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

```
.background{ background-color: rgb(228,  
164, 205) }
```

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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