

Converting Colors

`RYB(228, 156, 228)`

Have a look what the booklet for
RYB(228, 156, 228) contains.

RYB(228, 156, 228)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(228, 156, 228)

Conversions

Conversions Part 1

Format	Color
Hex	E49CE4
RGB	228, 156, 228
RGB Percent	89%, 61%, 89%
CMY	0.1059, 0.3882, 0.1059
CMYK	0.00, 0.32, 0.00, 0.11
HSL	300°, 57%, 75%
HSV	300°, 32%, 89%
XYZ	57.8870, 45.8724, 79.2021
YIQ	185.7360, 19.8000, 37.6560

Conversions

Conversions Part 2

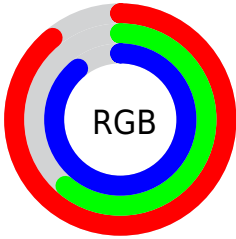
Format	Color
R _Y B	228, 156, 228
Decimal	14982372
CIE Lab	73.46, 38.21, -25.62
CIE LCh	73, 46.004, 326.154
Yxy	45.8724, 0.3164, 0.2507
Android (android.graphics.Color)	4293172452 (0xFFE49CE4)
YUV	185.7360, 20.8362, 37.0655
Hunter-Lab	67.7291, 34.0350, -21.9230

Details

The RYB color **228, 156, 228** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **156, 228, 228**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **255, 211, 255**, and **171, 103, 172** is the 20% darker color. If you saturate the color by 10%, you get **228, 133, 228**, and if you desaturate by 10%, it is **228, 179, 228**.

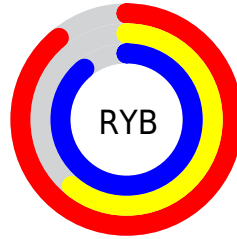
Distribution



Red (89%)

Green (61%)

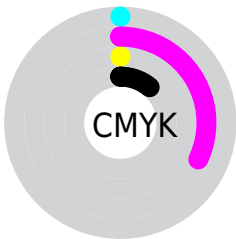
Blue (89%)



Red (89%)

Yellow (61%)

Blue (89%)

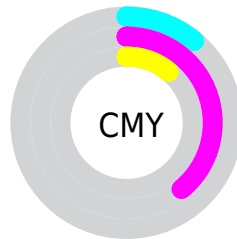


Cyan (0%)

Magenta (32%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (39%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 156, 228 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, 156, 228 by changing the saturation by 10% instead.


 228, 156, 228


255, 255, 255

 255, 211, 255


 255, 240, 255

 228, 156, 228

 199, 129, 200

 171, 103, 172


 144, 78, 146

 118, 53, 120

 92, 28, 95

 67, 0, 71


 44, 0, 48

 10, 0, 27

 0, 0, 0

 228, 156, 228

 228, 156, 228

 228, 133, 228

 228, 179, 228

 228, 110, 228

 228, 202, 228

 228, 88, 228


 228, 224, 228

 228, 65, 228

 228, 247, 247

 228, 42, 228

 228, 255, 255

 228, 19, 228

 228, 0, 228

Harmonies

Analogous

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



176, 172, 255



228, 156, 228



255, 147, 188

Triad

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



228, 156, 228



147, 212, 95



0, 104, 216

Complementary

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



228, 156, 228



156, 228, 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.



45, 131, 202



228, 156, 228



103, 189, 123

Square

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



228, 156, 228



244, 190, 112



119, 187, 198



0, 110, 250

Rectangle

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



228, 156, 228



255, 147, 159



119, 187, 198



0, 101, 202

Sweetspot

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



228, 156, 228



255, 232, 255



156, 156, 228



128, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 156, 228



255, 158, 255



228, 156, 192



115, 103, 115



179, 0, 179



51, 0, 51

Inverse Universe

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



228, 156, 228



255, 158, 255



156, 204, 228



115, 103, 115



179, 0, 179



51, 0, 51

Previews

White Background



This preview shows how the RYB color 228, 156, 228 looks on a white background.

Color Contrast Check

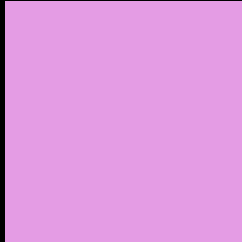
Large Text (above 18pt) WCAG AA × Fail

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, 156, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

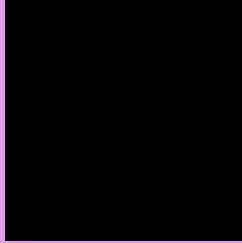
Any Text WCAG AA ✓ Pass

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, 156, 228 Background



This preview shows how black text looks on a background with the RYB color 228, 156, 228.



This preview shows how white text looks on a background with the RYB color 228, 156, 228.

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
221, 166, 178

Trichromacy



Original Color

228, 156, 228



Protanomaly

186, 170, 239



Deuteranomaly

195, 169, 225



Tritanomaly

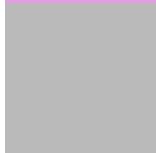
224, 162, 196

Monochromacy



Original Color

228, 156, 228



Achromatopsia

186, 186, 186



Achromatomaly

201, 175, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 156, 228 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, 156, 228) looks like.

```
.text, #text, p{  
    color:rgb(228, 156, 228)  
}
```

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, 156, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 156, 228) }
```

Border

The CSS property to change the border of an element to RYB 228, 156, 228 is called "border". The border property can be set on classes, ids or directly on the HTML element.

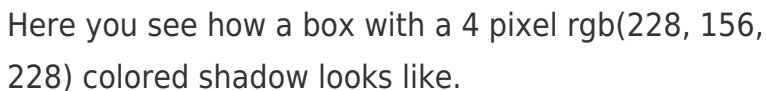
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 156, 228) }
```

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

```
.border{ border-color:rgb(228, 156, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 156, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 156, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 156, 228); box-shadow:4px 4px 4px 4px rgb(228, 156, 228) }
```

Background

The CSS property to change the background color of an element to RYB 228, 156, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 156, 228) }
```

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

```
.background{ background-color: rgb(228,  
156, 228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor