

Converting Colors

`RYB(228, 92, 161)`

Have a look what the booklet for
RYB(228, 92, 161) contains.

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Color

R_YB(228, 92, 161)

Conversions

Conversions Part 1

Format	Color
Hex	E45CA1
RGB	228, 92, 161
RGB Percent	89%, 36%, 63%
CMY	0.1059, 0.6392, 0.3686
CMYK	0.00, 0.60, 0.29, 0.11
HSL	330°, 72%, 63%
HSV	330°, 60%, 89%
XYZ	42.2551, 26.7215, 36.6489
YIQ	140.5300, 58.9070, 50.2910

Conversions

Conversions Part 2

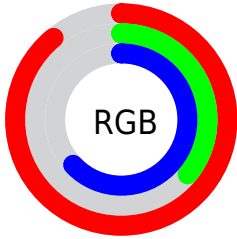
Format	Color
R _Y B	228, 92, 161
Decimal	14965921
CIE Lab	58.72, 59.56, -10.30
CIE LCh	59, 60.442, 350.186
Yxy	26.7215, 0.4000, 0.2530
Android (android.graphics.Color)	4293156001 (0xFFE45CA1)
YUV	140.5300, 10.0917, 76.7112
Hunter-Lab	51.6928, 55.4482, -5.8501

Details

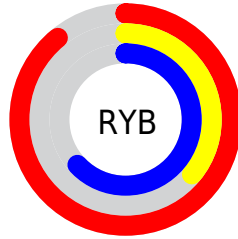
The RYB color **228, 92, 161** is a light color, and the websafe version is hex **CC6699**. The color can be described as light muted rose. A complement of this color would be **92, 183, 228**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **255, 148, 216**, and **169, 31, 109** is the 20% darker color. If you saturate the color by 10%, you get **228, 69, 150**, and if you desaturate by 10%, it is **228, 115, 172**.

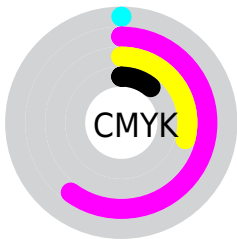
Distribution



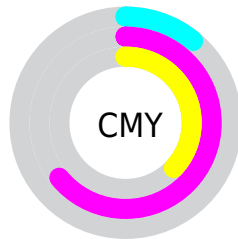
- Red (89%)
- Green (36%)
- Blue (63%)



- Red (89%)
- Yellow (36%)
- Blue (63%)



- Cyan (0%)
- Magenta (60%)
- Yellow (29%)
- Black (11%)



- Cyan (11%)
- Magenta (64%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 92, 161 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, 92, 161 by changing the saturation by 10% instead.



228, 92, 161



228, 92, 161

255, 255, 255



198, 63, 135



255, 148, 216



169, 31, 109



255, 176, 244



140, 0, 85



255, 205, 255



112, 0, 62



255, 235, 255



84, 0, 40



58, 0, 20



23, 0, 0



0, 0, 0



228, 92, 161



228, 92, 161

■ 228, 69, 150

■ 228, 115, 172

■ 228, 46, 139

■ 228, 138, 183

■ 228, 24, 127

■ 228, 160, 195

■ 228, 1, 116

■ 228, 183, 206

■ 228, 0, 116

■ 228, 206, 217

■ 228, 229, 229

■ 228, 244, 252

■ 228, 243, 255

■ 228, 242, 255

Harmonies

Analogous

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



188, 111, 210



228, 92, 161



237, 92, 108

Triad

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



228, 92, 161



27, 149, 42



0, 94, 222

Complementary

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



228, 92, 161



92, 183, 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.



0, 85, 176



228, 92, 161



67, 158, 160

Square

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



228, 92, 161



96, 183, 23



0, 95, 165



0, 94, 246

Rectangle

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



228, 92, 161



227, 111, 75



0, 95, 165



0, 92, 209

Sweetspot

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



228, 92, 161



255, 209, 232



158, 92, 228



128, 99, 114



0, 0, 0



128, 128, 128

Same Dimension

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



228, 92, 161



255, 71, 165



228, 92, 94



115, 103, 109



179, 0, 91



51, 0, 26

Inverse Universe

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



228, 92, 161



255, 71, 165



92, 161, 228



115, 103, 109



179, 0, 91



51, 0, 26

Previews

White Background



This preview shows how the RYB color 228, 92, 161 looks on a white background.

Color Contrast Check

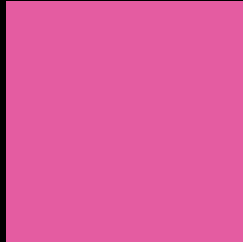
Large Text (above 18pt) WCAG AA ✓ Pass

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 228, 92, 161 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](#).

R Y B 228, 92, 161 Background



This preview shows how black text looks on a background with the RYB color 228, 92, 161.



This preview shows how white text looks on a background with the RYB color 228, 92, 161.

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, 92, 161

Protanopia
126, 138, 194

Deuteranopia
150, 138, 154



Tritanopia
224, 103, 110

Trichromacy



Original Color
228, 92, 161



Protanomaly
163, 123, 182



Deuteranomaly
178, 121, 157



Tritanomaly
225, 99, 129

Monochromacy



Original Color
228, 92, 161



Achromatopsia
141, 141, 141



Achromatomaly
173, 123, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 92, 161 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, 92, 161)` looks like.

```
.text, #text, p{  
    color:rgb(228, 92, 161)  
}
```

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, 92, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 92, 161) }
```

Border

The CSS property to change the border of an element to RYB 228, 92, 161 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, 92, 161) }
```

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

```
.border{ border-color:rgb(228, 92, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 92, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 92, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 92, 161);  
box-shadow:4px 4px 4px 4px rgb(228, 92,  
161) }
```

Background

The CSS property to change the background color of an element to RGB 228, 92, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 92, 161) }
```

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

```
.background{ background-color: rgb(228, 92,  
161) }
```

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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