

Converting Colors

`RYB(228, 88, 192)`

Have a look what the booklet for RYB(228, 88, 192) contains.

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Color

R_YB(228, 88, 192)

Conversions

Conversions Part 1

Format	Color
Hex	E458C0
RGB	228, 88, 192
RGB Percent	89%, 35%, 75%
CMY	0.1059, 0.6549, 0.2471
CMYK	0.00, 0.61, 0.16, 0.11
HSL	315°, 72%, 62%
HSV	315°, 61%, 89%
XYZ	44.9991, 27.2792, 52.7629
YIQ	141.7160, 50.0560, 62.0240

Conversions

Conversions Part 2

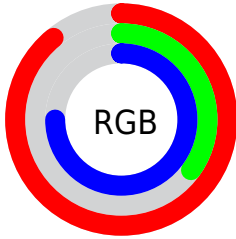
Format	Color
R _{YB}	228, 88, 192
Decimal	14964928
CIE _{Lab}	59.23, 65.42, -27.38
CIE _{LCh}	59, 70.919, 337.288
Yxy	27.2792, 0.3599, 0.2182
Android (android.graphics.Color)	4293155008 (0xFFE458C0)
YUV	141.7160, 24.7900, 75.6711
Hunter-Lab	52.2295, 62.3876, -23.3348

Details

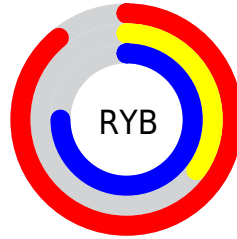
The RYB color **228, 88, 192** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **88, 199, 228**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **255, 145, 249**, and **169, 20, 138** is the 20% darker color. If you saturate the color by 10%, you get **228, 65, 186**, and if you desaturate by 10%, it is **228, 111, 198**.

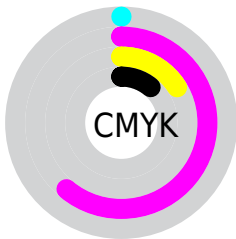
Distribution



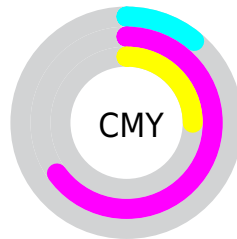
- Red (89%)
- Green (35%)
- Blue (75%)



- Red (89%)
- Yellow (35%)
- Blue (75%)



- Cyan (0%)
- Magenta (61%)
- Yellow (16%)
- Black (11%)



- Cyan (11%)
- Magenta (65%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 88, 192 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, 88, 192 by changing the saturation by 10% instead.



228, 88, 192



228, 88, 192

255, 255, 255



198, 58, 165



255, 145, 249



169, 20, 138



255, 174, 255



141, 0, 113



255, 203, 255



112, 0, 88



255, 232, 255



85, 0, 64



60, 0, 42



29, 0, 20



0, 0, 0



228, 88, 192



228, 88, 192

■ 228, 65, 186

■ 228, 111, 198

■ 228, 42, 180

■ 228, 134, 204

■ 228, 20, 174

■ 228, 156, 210

■ 228, 0, 169

■ 228, 179, 215

■ 228, 202, 221

■ 228, 225, 227

■ 228, 244, 248

■ 228, 247, 255

■ 228, 245, 255

Harmonies

Analogous

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



162, 119, 243



228, 88, 192



252, 74, 130

Triad

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



228, 88, 192



13, 157, 0



0, 95, 217

Complementary

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



228, 88, 192



88, 199, 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, 89, 171



228, 88, 192



26, 160, 96

Square

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



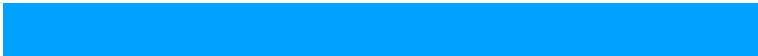
228, 88, 192



157, 209, 3



0, 109, 168



0, 99, 255

Rectangle

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



228, 88, 192



249, 84, 89



0, 109, 168



0, 91, 198

Sweetspot

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



228, 88, 192



255, 209, 243



123, 88, 228



128, 99, 120



0, 0, 0



128, 128, 128

Same Dimension

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



228, 88, 192



255, 66, 206



228, 88, 123



115, 103, 112



179, 0, 133



51, 0, 38

Inverse Universe

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



228, 88, 192



255, 66, 206



88, 168, 228



115, 103, 112



179, 0, 133



51, 0, 38

Previews

White Background



This preview shows how the RYB color 228, 88, 192 looks on a white background.

Color Contrast Check

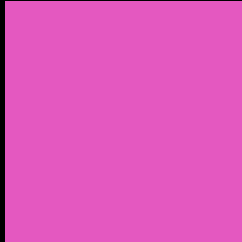
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88, 192 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 228, 88, 192 Background



This preview shows how black text looks on a background with the RYB color 228, 88, 192.



This preview shows how white text looks on a background with the RYB color 228, 88, 192.

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, 88, 192

Protanopia
106, 133, 234

Deuteranopia
135, 140, 184



Tritanopia
220, 108, 115

Trichromacy



Original Color

228, 88, 192



Protanomaly

150, 121, 219



Deuteranomaly

169, 121, 187



Tritanomaly

223, 101, 143

Monochromacy



Original Color

228, 88, 192



Achromatopsia

142, 142, 142



Achromatomaly

173, 122, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 88, 192 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, 88, 192)` looks like.

```
.text, #text, p{  
    color:rgb(228, 88, 192)  
}
```

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, 88, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 88, 192) }
```

Border

The CSS property to change the border of an element to RYB 228, 88, 192 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, 88, 192) }
```

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

```
.border{ border-color:rgb(228, 88, 192) }
```

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

Here you see how a box with a 4 pixel rgb(228, 88, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 88, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 88, 192);  
box-shadow:4px 4px 4px 4px rgb(228, 88,  
192) }
```

Background

The CSS property to change the background color of an element to RGB 228, 88, 192 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 88, 192) }
```

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

```
.background{ background-color: rgb(228, 88,  
192) }
```

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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