

Converting Colors

`RYB(240, 114, 166)`

Have a look what the booklet for RYB(240, 114, 166) contains.

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Color

R_YB(240, 114, 166)

Conversions

Conversions Part 1

Format	Color
Hex	F072A6
RGB	240, 114, 166
RGB Percent	94%, 45%, 65%
CMY	0.0588, 0.5529, 0.3490
CMYK	0.00, 0.53, 0.31, 0.06
HSL	335°, 81%, 69%
HSV	335°, 52%, 94%
XYZ	48.8354, 33.3131, 39.9325
YIQ	157.6020, 58.4040, 42.8840

Conversions

Conversions Part 2

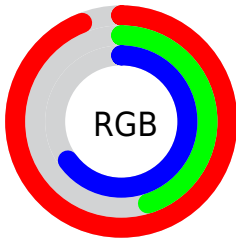
Format	Color
R _Y B	240, 114, 166
Decimal	15757990
CIE Lab	64.41, 53.86, -4.51
CIE LCh	64, 54.048, 355.208
Yxy	33.3131, 0.4000, 0.2729
Android (android.graphics.Color)	4293948070 (0xFFFF072A6)
YUV	157.6020, 4.1402, 72.2630
Hunter-Lab	57.7175, 50.0254, -0.6183

Details

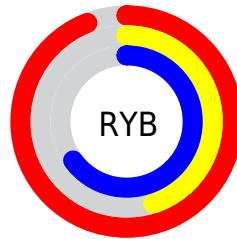
The RYB color **240, 114, 166** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **114, 193, 240**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **255, 169, 221**, and **181, 59, 114** is the 20% darker color. If you saturate the color by 10%, you get **240, 90, 152**, and if you desaturate by 10%, it is **240, 138, 180**.

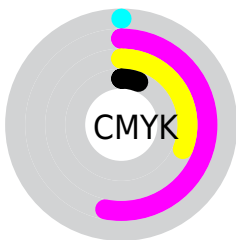
Distribution



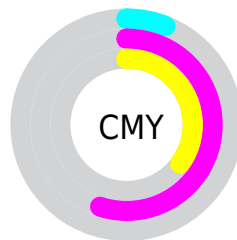
- Red (94%)
- Green (45%)
- Blue (65%)



- Red (94%)
- Yellow (45%)
- Blue (65%)



- Cyan (0%)
- Magenta (53%)
- Yellow (31%)
- Black (6%)




- Cyan (6%)
- Magenta (55%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 240, 114, 166 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 240, 114, 166 by changing the saturation by 10% instead.

 240, 114, 166

255, 255, 255


 255, 169, 221

 255, 198, 250

 255, 227, 255

 240, 114, 166

 210, 87, 140

 181, 59, 114

 152, 28, 90

 123, 0, 66

 95, 0, 44

 68, 0, 24

 42, 0, 1

 0, 0, 0

 240, 114, 166

 240, 114, 166

■ 240, 90, 152

■ 240, 138, 180

■ 240, 66, 138

■ 240, 162, 194

■ 240, 42, 124

■ 240, 186, 208

■ 240, 18, 110

■ 240, 210, 222

■ 240, 0, 99

■ 240, 234, 236

■ 240, 249, 255

■ 240, 248, 255

Harmonies

Analogous

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



208, 127, 212



240, 114, 166



244, 117, 118

Triad

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



240, 114, 166



63, 166, 86



0, 100, 235

Complementary

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



240, 114, 166



114, 193, 240

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, 94, 196



240, 114, 166



81, 160, 175

Square

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



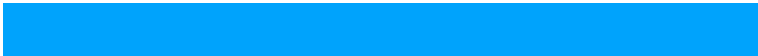
240, 114, 166



110, 190, 55



0, 99, 180



0, 99, 252

Rectangle

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



240, 114, 166



234, 140, 90



0, 99, 180



0, 99, 224

Sweetspot

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



240, 114, 166



255, 214, 231



187, 114, 240



128, 103, 113



0, 0, 0



128, 128, 128

Same Dimension

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



240, 114, 166



255, 94, 161



240, 126, 114



120, 108, 113



184, 0, 76



56, 0, 23

Inverse Universe

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



240, 114, 166



255, 94, 161



114, 174, 240



120, 108, 113



184, 0, 76



56, 0, 23

Previews

White Background



This preview shows how the RYB color 240, 114, 166 looks on a white background.

Color Contrast Check

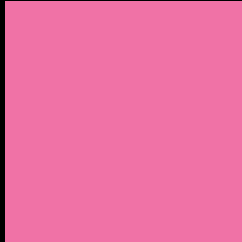
Large Text (above 18pt) WCAG AA × Fail

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 240, 114, 166 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](#).

RYP 240, 114, 166 Background



This preview shows how black text looks on a background with the RYP color 240, 114, 166.

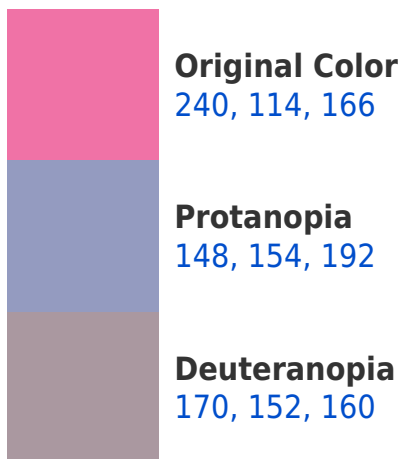



This preview shows how white text looks on a background with the RYP color 240, 114, 166.

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
237, 121, 130

Trichromacy



Original Color

240, 114, 166



Protanomaly

181, 140, 183



Deuteranomaly

195, 138, 162



Tritanomaly

238, 118, 143

Monochromacy



Original Color

240, 114, 166



Achromatopsia

158, 158, 158



Achromatomaly

188, 142, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 240, 114, 166 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(240, 114, 166) looks like.

```
.text, #text, p{  
    color:rgb(240, 114, 166)  
}
```

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(240, 114, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 114, 166) }
```

Border

The CSS property to change the border of an element to RYB 240, 114, 166 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(240, 114, 166) }
```

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

```
.border{ border-color:rgb(240, 114, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 114, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 114, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 114, 166);  
box-shadow:4px 4px 4px 4px rgb(240, 114,  
166) }
```

Background

The CSS property to change the background color of an element to RGB 240, 114, 166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 114, 166) }
```

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

```
.background{ background-color: rgb(240,  
114, 166) }
```

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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