Converting Colors

RYB(240, 180, 228)

Have a look what the booklet for RYB(240, 180, 228) contains.

Color

RYB(240, 180, 228)

Conversions

Conversions Part 1

Format	Color
Hex	F0B4E4
RGB	240, 180, 228
RGB Percent	94%, 71%, 89%
CMY	0.0588, 0.2941, 0.1059
CMYK	0.00, 0.25, 0.05, 0.06
HSL	312°, 67%, 82%
HSV	312°, 25%, 94%
XYZ	66.2600, 56.7692, 80.8641
YIQ	203.4120, 20.3520, 27.6480

Conversions

Conversions Part 2

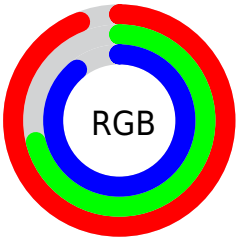
Format	Color
RYB	240, 180, 228
Decimal	15774948
CIELab	80.05, 29.34, -15.52
CIELCh	80, 33.187, 332.127
Yxy	56.7692, 0.3250, 0.2784
Android (android.graphics.Color)	4293965028 (0xFFF0B4E4)
YUV	203.4120, 12.1219, 32.0877
Hunter-Lab	75.3454, 25.1217, -10.8910

Details

The RYB color 240, 180, 228 is a light color, and the websafe version is hex FFCCFF. A complement of this color would be 180, 230, 240, and the grayscale version is 203, 203, 203.

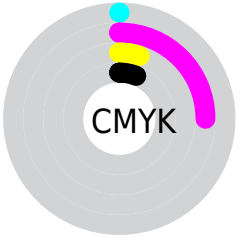
A 20% lighter version of the original color is 255, 236, 255, and 183, 127, 173 is the 20% darker color. If you saturate the color by 10%, you get 240, 156, 223, and if you desaturate by 10%, it is 240, 204, 233.

Distribution

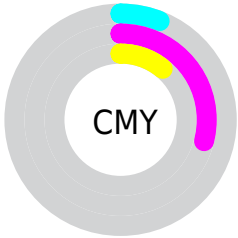


- Red (94%)
- Green (71%)
- Blue (89%)

- Red (94%)
- Yellow (71%)
- Blue (89%)



- Cyan (0%)
- Magenta (25%)
- Yellow (5%)
- Black (6%)



- Cyan (6%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 240, 180, 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 240, 180, 228 by changing the saturation by 10% instead.

240, 180, 228

255, 255, 255

255, 236, 255

240, 180, 228

211, 153, 200

183, 127, 173

156, 101, 146

129, 76, 120

104, 53, 95

79, 29, 72

55, 5, 49

36, 0, 29

0, 0, 0

240, 180, 228

240, 156, 223

240, 132, 218

240, 108, 214

240, 84, 209

240, 60, 204

240, 36, 199

240, 12, 194

240, 0, 192

240, 180, 228

240, 204, 233

240, 228, 238

240, 250, 252

240, 250, 255

240, 248, 255

240, 248, 255

Harmonies

Analogous

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

206, 190, 251

240, 180, 228

255, 175, 197

Triad

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

240, 180, 228

164, 218, 136

99, 161, 230

Complementary

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

240, 180, 228

180, 230, 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.

116, 170, 216

240, 180, 228

145, 207, 167

Square

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

240, 180, 228

244, 218, 145

149, 198, 213

119, 173, 252

Rectangle

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

240, 180, 228

255, 177, 177

149, 198, 213

101, 159, 221

Sweetspot

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

240, 180, 228

255, 235, 251

192, 180, 240

128, 115, 125

0, 0, 0

128, 128, 128

Same Dimension

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

240, 180, 228

255, 179, 240

240, 180, 198

120, 108, 117

184, 0, 147

56, 0, 45

Inverse Universe

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

240, 180, 228

255, 179, 240

180, 215, 240

120, 108, 117

184, 0, 147

56, 0, 45

Previews

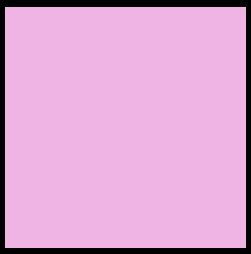
White Background

This preview shows how the RYB color 240, 180, 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



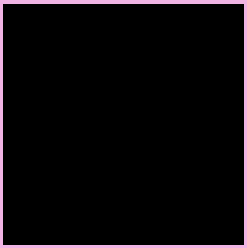
This preview shows how the RYB color 240, 180, 228 looks on a black background.

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 240, 180, 228 Background



This preview shows how black text looks on a background with the RYB color 240, 180, 228.

This preview shows how white text looks on a background with the RYB color 240, 180, 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

Original Color
240, 180, 228

Protanopia
190, 196, 239

Deuteranopia
206, 194, 225

Tritanopia
236, 185, 199

Trichromacy

Original Color
240, 180, 228

Protanomaly
208, 191, 235

Deuteranomaly
218, 189, 226

Tritanomaly
237, 183, 210

Monochromacy

Original Color
240, 180, 228

Achromatopsia
203, 203, 203

Achromatomaly
216, 195, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 240, 180, 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(240, 180, 228) looks like.

```
.text, #text, p{
    color:rgb(240, 180, 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(240, 180, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 180, 228) }
```

Border

The CSS property to change the border of an element to RYB 240, 180, 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(240, 180, 228) }
```

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

```
.border{ border-color:rgb(240, 180, 228) }
```

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

Here you see how a box with a 4 pixel rgb(240, 180, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 180, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 180, 228); box-shadow:4px 4px 4px 4px rgb(240, 180, 228) }
```

Background

The CSS property to change the background color of an element to RYB 240, 180, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(240, 180, 228) }
```

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

```
.background{ background-color:rgb(240,
180, 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.

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