

Converting Colors

`RYB(240, 220, 242)`

Have a look what the booklet for
RYB(240, 220, 242) contains.

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Color

R_YB(240, 220, 242)

Conversions

Conversions Part 1

Format	Color
Hex	F0DCF2
RGB	240, 220, 242
RGB Percent	94%, 86%, 95%
CMY	0.0588, 0.1373, 0.0510
CMYK	0.01, 0.09, 0.00, 0.05
HSL	295°, 46%, 91%
HSV	295°, 9%, 95%
XYZ	77.5554, 76.1225, 94.6099
YIQ	228.4880, 4.8580, 11.0820

Conversions

Conversions Part 2

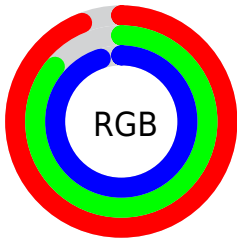
Format	Color
R _Y B	240, 220, 242
Decimal	15785202
CIE Lab	89.92, 10.69, -8.23
CIE LCh	90, 13.495, 322.398
Yxy	76.1225, 0.3124, 0.3066
Android (android.graphics.Color)	4293975282 (0xFFFF0DCF2)
YUV	228.4880, 6.6614, 10.0960
Hunter-Lab	87.2482, 5.9853, -3.2190

Details

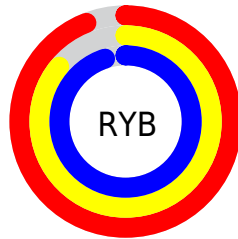
The RYB color **240, 220, 242** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **220, 242, 240**, and the grayscale version is **228, 228, 228**.

A 20% lighter version of the original color is 255, 255, 255, and **184, 165, 186** is the 20% darker color. If you saturate the color by 10%, you get **238, 196, 242**, and if you desaturate by 10%, it is **242, 244, 244**.

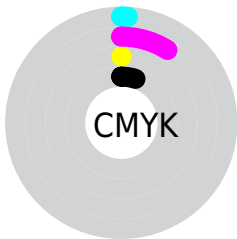
Distribution



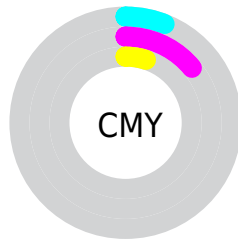
- Red (94%)
- Green (86%)
- Blue (95%)



- Red (94%)
- Yellow (86%)
- Blue (95%)



- Cyan (1%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)



- Cyan (6%)
- Magenta (14%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 240, 220, 242 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, 220, 242 by changing the saturation by 10% instead.


 240, 220, 242

255, 255, 255

 240, 220, 242


 212, 192, 214

 184, 165, 186

 157, 139, 159

 131, 113, 133

 106, 89, 108

 81, 65, 83


 58, 43, 60

 36, 22, 38

 16, 0, 18

 240, 220, 242

 240, 220, 242

 238, 196, 242


 242, 244, 244

 236, 172, 242

 242, 255, 253

 233, 147, 242

 242, 255, 250

 231, 123, 242


 242, 255, 248

 229, 99, 242

 242, 255, 246

 227, 75, 242

 242, 255, 244

 225, 51, 242

 242, 255, 242

 222, 26, 242

 220, 2, 242

Harmonies

Analogous

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



225, 224, 250



240, 220, 242



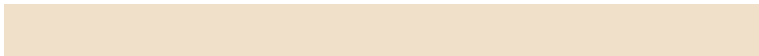
251, 218, 230

Triad

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



240, 220, 242



228, 240, 201



194, 214, 235

Complementary

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



240, 220, 242



220, 242, 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.



199, 220, 234



240, 220, 242



202, 228, 204

Square

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



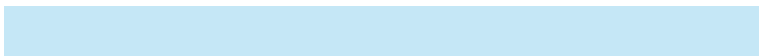
240, 220, 242



250, 227, 206



210, 232, 231



197, 217, 246

Rectangle

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



240, 220, 242



254, 217, 221



210, 232, 231



195, 215, 234

Sweetspot

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



240, 220, 242



254, 247, 255



220, 222, 242



127, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

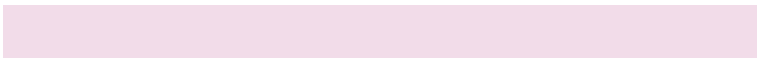
The Same Dimension uses a secret algorithm to generate beautiful new colors.



240, 220, 242



252, 227, 255



242, 220, 233



119, 108, 120



167, 0, 184



51, 0, 56

Inverse Universe

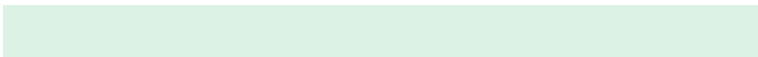
The Inverse Universe completely reimagines the original color for something new.



242, 220, 222



255, 227, 230



220, 236, 242



120, 108, 109



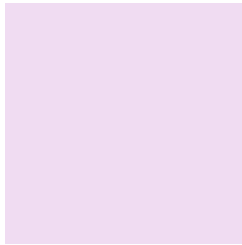
184, 0, 17



56, 0, 5

Previews

White Background



This preview shows how the RYB color 240, 220, 242 looks on a white background.

Color Contrast Check

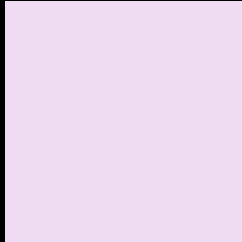
Large Text (above 18pt) WCAG AA × Fail

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, 220, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

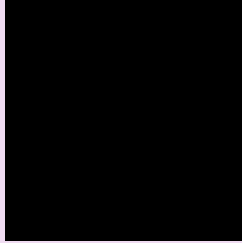
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

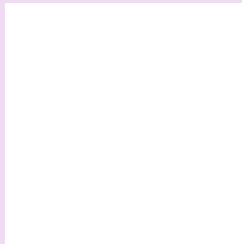
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 240, 220, 242 Background



This preview shows how black text looks on a background with the RYB color 240, 220, 242.



This preview shows how white text looks on a background with the RYB color 240, 220, 242.

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, 220, 242

Protanopia
225, 225, 245

Deuteranopia
241, 220, 242



Tritanopia
239, 221, 238

Trichromacy



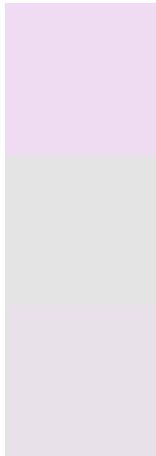
Original Color
240, 220, 242

Protanomaly
230, 223, 244

Deuteranomaly
241, 220, 242

Tritanomaly
239, 221, 239

Monochromacy



Original Color
240, 220, 242

Achromatopsia
228, 228, 228

Achromatomaly
232, 225, 233

CSS Examples

Text

The CSS property to change the color of the text to RYB 240, 220, 242 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, 220, 242) looks like.

```
.text, #text, p{  
    color:rgb(240, 220, 242)  
}
```

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, 220, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 220, 242) }
```

Border

The CSS property to change the border of an element to RYB 240, 220, 242 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, 220, 242) }
```

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

```
.border{ border-color:rgb(240, 220, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 220, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 220, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 220, 242);  
box-shadow:4px 4px 4px 4px rgb(240, 220,  
242) }
```

Background

The CSS property to change the background color of an element to RYB 240, 220, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 220, 242) }
```

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

```
.background{ background-color: rgb(240,  
220, 242) }
```

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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