

Converting Colors

`RYB(227, 220, 232)`

Have a look what the booklet for RYB(227, 220, 232) contains.

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Color

R_YB(227, 220, 232)

Conversions

Conversions Part 1

Format	Color
Hex	E3DCE8
RGB	227, 220, 232
RGB Percent	89%, 86%, 91%
CMY	0.1098, 0.1373, 0.0902
CMYK	0.02, 0.05, 0.00, 0.09
HSL	275°, 21%, 89%
HSV	275°, 5%, 91%
XYZ	71.8372, 73.3435, 86.7144
YIQ	223.4610, 0.3200, 5.2160

Conversions

Conversions Part 2

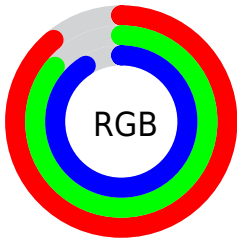
Format	Color
R _Y B	227, 220, 232
Decimal	14933224
CIE Lab	88.61, 4.54, -5.02
CIE LCh	89, 6.768, 312.117
Yxy	73.3435, 0.3098, 0.3163
Android (android.graphics.Color)	4293123304 (0xFFE3DCE8)
YUV	223.4610, 4.2097, 3.1037
Hunter-Lab	85.6408, -0.1420, -0.0847

Details

The RYB color **227, 220, 232** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **220, 232, 227**, and the grayscale version is **223, 223, 223**.

A 20% lighter version of the original color is **255, 255, 255**, and **172, 165, 176** is the 20% darker color. If you saturate the color by 10%, you get **217, 197, 232**, and if you desaturate by 10%, it is **232, 243, 238**.

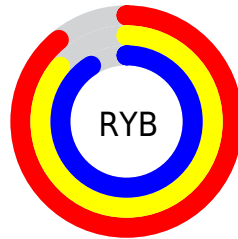
Distribution



Red (89%)

Green (86%)

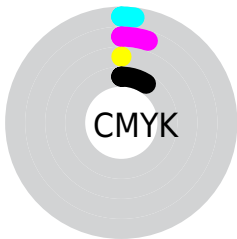
Blue (91%)



Red (89%)

Yellow (86%)

Blue (91%)

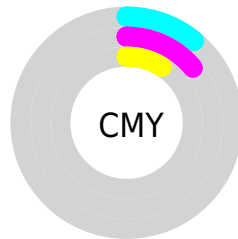


Cyan (2%)

Magenta (5%)

Yellow (0%)

Black (9%)



Cyan (11%)

Magenta (14%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 227, 220, 232 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 227, 220, 232 by changing the saturation by 10% instead.

■ 227, 220, 232

255, 255, 255

■ 227, 220, 232

■ 199, 192, 204

■ 172, 165, 176

■ 145, 139, 150

■ 119, 113, 124

■ 95, 89, 99

■ 71, 65, 75

■ 49, 43, 53

■ 28, 23, 31

■ 0, 0, 6

■ 227, 220, 232

■ 227, 220, 232

■ 217, 197, 232

■ 232, 243, 238

■ 208, 174, 232

■ 232, 255, 241

■ 198, 150, 232

■ 232, 255, 232

■ 188, 127, 232

■ 179, 104, 232

■ 169, 81, 232

■ 159, 58, 232

■ 150, 34, 232

■ 140, 11, 232

Harmonies

Analogous

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



219, 222, 235



227, 220, 232



233, 219, 227

Triad

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



227, 220, 232



232, 232, 210



207, 217, 226

Complementary

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



227, 220, 232



220, 232, 227

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.



211, 221, 226



227, 220, 232



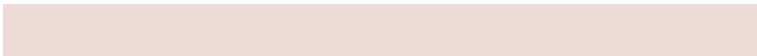
212, 225, 210

Square

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



227, 220, 232



236, 220, 214



213, 225, 220



208, 218, 231

Rectangle

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



227, 220, 232



236, 218, 222



213, 225, 220



208, 218, 226

Sweetspot

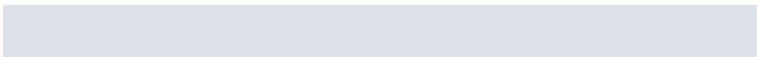
The Sweet Spot groups the original color and five complimentary colors.



227, 220, 232



253, 250, 255



220, 224, 232



126, 125, 128



0, 0, 0



128, 128, 128

Same Dimension

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



227, 220, 232



249, 240, 255



232, 220, 231



111, 107, 115



104, 0, 179



30, 0, 51

Inverse Universe

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



232, 220, 225



255, 240, 246



220, 231, 232



115, 107, 110



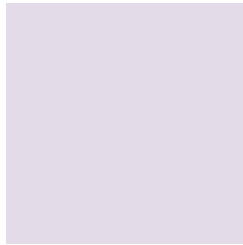
179, 0, 74



51, 0, 21

Previews

White Background



This preview shows how the RYB color 227, 220, 232 looks on a white background.

Color Contrast Check

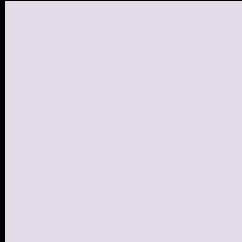
Large Text (above 18pt) WCAG AA × Fail

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 227, 220, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

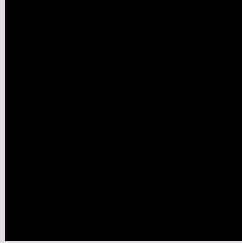
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

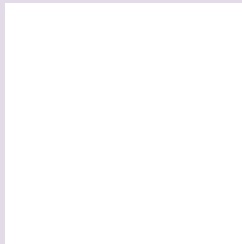
Any Text WCAG AAA ✓ Pass

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

R Y B 227, 220, 232 Background



This preview shows how black text looks on a background with the R Y B color 227, 220, 232.

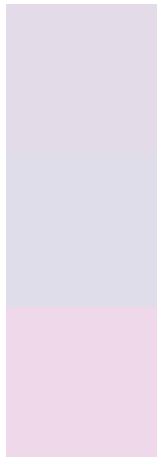


This preview shows how white text looks on a background with the R Y B color 227, 220, 232.

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
227, 220, 232

Protanopia
223, 221, 233

Deuteranopia
239, 216, 233



Tritanopia
228, 219, 237

Trichromacy



Original Color

227, 220, 232

Protanomaly

224, 221, 233

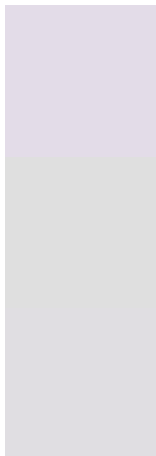
Deuteranomaly

235, 217, 233

Tritanomaly

228, 219, 235

Monochromacy



Original Color

227, 220, 232

Achromatopsia

223, 223, 223

Achromatomaly

224, 222, 226

CSS Examples

Text

The CSS property to change the color of the text to RYB 227, 220, 232 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(227, 220, 232) looks like.

```
.text, #text, p{  
    color:rgb(227, 220, 232)  
}
```

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(227, 220, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 220, 232) }
```

Border

The CSS property to change the border of an element to RYB 227, 220, 232 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(227, 220, 232) }
```

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

```
.border{ border-color:rgb(227, 220, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 220, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 220, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 220, 232); box-shadow:4px 4px 4px 4px rgb(227, 220, 232) }
```

Background

The CSS property to change the background color of an element to RYB 227, 220, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 220, 232) }
```

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

```
.background{ background-color: rgb(227,  
220, 232) }
```

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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