Converting Colors

RYB(230, 240, 233)

Have a look what the booklet for RYB(230, 240, 233) contains.

Color

RYB(230, 240, 233)

Conversions

Format	Color
Hex	EDF0E6
RGB	237, 240, 230
RGB Percent	93%, 94%, 90%
CMY	0.0706, 0.0588, 0.0980
CMYK	0.01, 0.00, 0.04, 0.06
HSL	78°, 25%, 92%
HSV	78°, 4%, 94%
XYZ	80.3681, 86.0379, 87.2340
YIQ	237.9630, 1.4220, -3.7460

Conversions Part 1

Conversions

Conversions Part 2

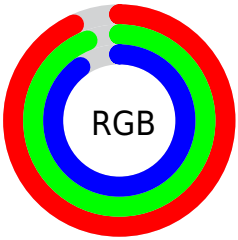
Format	Color
RYB	230, 240, 233
Decimal	15593702
CIELab	94.33, -2.75, 4.47
CIELCh	94, 5.244, 121.576
Yxy	86.0379, 0.3169, 0.3392
Android (android.graphics.Color)	4293783782 (0xFFEDF0E6)
YUV	237.9630, -3.9258, -0.8446
Hunter-Lab	92.7566, -7.6644, 9.1696

Details

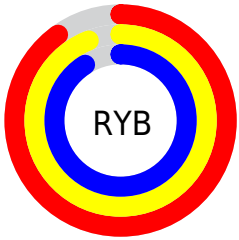
The RYB color 230, 240, 233 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 233, 230, 240, and the grayscale version is 238, 238, 238.

A 20% lighter version of the original color is 255, 255, 255, and 175, 184, 178 is the 20% darker color. If you saturate the color by 10%, you get 206, 240, 216, and if you desaturate by 10%, it is 244, 240, 254.

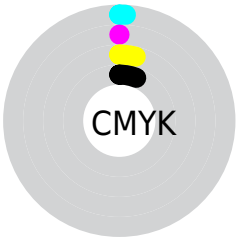
Distribution



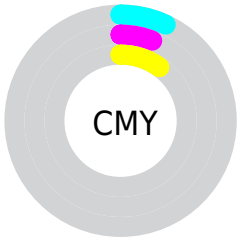
- Red (93%)
- Green (94%)
- Blue (90%)



- Red (90%)
- Yellow (94%)
- Blue (91%)



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (6%)



- Cyan (7%)
- Magenta (6%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 230, 240, 233 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 230, 240, 233 by changing the saturation by 10% instead.

230, 240, 233

255, 255, 255

230, 240, 233

202, 212, 205

175, 184, 178

148, 157, 151

122, 131, 125

97, 106, 100

74, 82, 77

51, 59, 54

30, 37, 32

5, 16, 8

230, 240, 233

206, 240, 216

182, 240, 199

158, 240, 183

134, 240, 166

110, 240, 149

86, 240, 132

62, 240, 115

38, 240, 99

14, 240, 82

230, 240, 233

244, 240, 254

251, 240, 255

255, 240, 255

Harmonies

Analogous

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

237, 243, 229

230, 240, 233

231, 239, 241

Triad

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

230, 240, 233

229, 236, 247

249, 235, 239

Complementary

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

230, 240, 233

233, 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.

246, 236, 244

230, 240, 233

234, 238, 249

Square

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

230, 240, 233

227, 235, 244

240, 237, 247

250, 236, 234

Rectangle

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

230, 240, 233

229, 237, 242

240, 237, 247

248, 235, 240

Sweetspot

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

230, 240, 233

252, 255, 253

240, 234, 230

126, 128, 127

0, 0, 0

128, 128, 128

Same Dimension

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

230, 240, 233

242, 255, 246

230, 240, 238

113, 120, 115

0, 184, 55

0, 56, 17

Inverse Universe

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

233, 230, 240

246, 242, 255

238, 230, 240

115, 113, 120

55, 0, 184

17, 0, 56

Previews

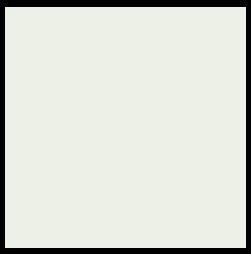
White Background

This preview shows how the RYB color 230, 240, 233 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



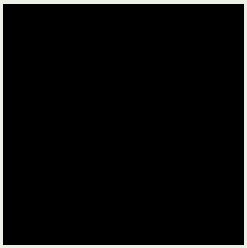
This preview shows how the RYB color 230, 240, 233 looks on a black background.

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 230, 240, 233 Background



This preview shows how black text looks on a background with the RYB color 230, 240, 233.

This preview shows how white text looks on a background with the RYB color 230, 240, 233.

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
230, 240, 233

Protanopia
241, 245, 229

Deuteranopia
255, 234, 234

Tritanopia
241, 236, 255

Trichromacy

Original Color
230, 240, 233

Protanomaly
233, 242, 229

Deuteranomaly
248, 237, 233

Tritanomaly
240, 237, 246

Monochromacy

Original Color
230, 240, 233

Achromatopsia
238, 238, 238

Achromatomaly
235, 239, 236

CSS Examples

Text

The CSS property to change the color of the text to RYB 230, 240, 233 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(237, 240, 230) looks like.

```
.text, #text, p{
    color:rgb(237, 240, 230)
}
```

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(237, 240, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 240, 230) }
```

Border

The CSS property to change the border of an element to RYB 230, 240, 233 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(237, 240, 230) }
```

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

```
.border{ border-color:rgb(237, 240, 230) }
```

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

Here you see how a box with a 4 pixel rgb(237, 240, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 240, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 240, 230); box-shadow:4px 4px 4px 4px rgb(237, 240, 230) }
```

Background

The CSS property to change the background color of an element to RYB 230, 240, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(237, 240, 230) }
```

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

```
.background{ background-color:rgb(237,
240, 230) }
```

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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