Converting Colors

RYB(242, 255, 230)

Have a look what the booklet for RYB(242, 255, 230) contains.

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Color

RYB(242, 255, 230)

Conversions

Conversions Part 1

Format	Color
Hex	FFF7E6
RGB	255, 247, 230
RGB Percent	100%, 97%, 90%
CMY	0.0000, 0.0318, 0.0980
CMYK	0.00, 0.03, 0.10, 0.00
HSL	41°, 100%, 95%
HSV	41°, 10%, 100%
XYZ	88.7506, 93.4286, 88.2188
YIQ	247.4540, 10.2250, -3.5910

Conversions

Conversions Part 2

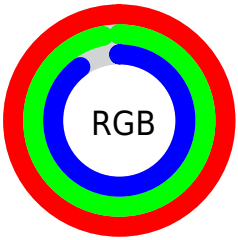
Format	Color
RYB	242, 255, 230
Decimal	16775142
CIELab	97.40, -0.09, 9.07
CIELCh	97, 9.069, 90.585
Yxy	93.4286, 0.3282, 0.3455
Android (android.graphics.Color)	4294965222 (0xFFFFF7E6)
YUV	247.4540, -8.6048, 6.6178
Hunter-Lab	96.6585, -5.2558, 13.5478

Details

The RYB color 242, 255, 230 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 230, 236, 255, and the grayscale version is 247, 247, 247.

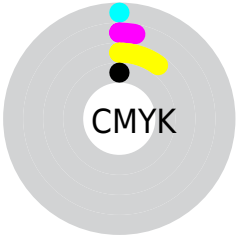
A 20% lighter version of the original color is 255, 255, 255, and 185, 198, 175 is the 20% darker color. If you saturate the color by 10%, you get 229, 255, 205, and if you desaturate by 10%, it is 255, 255, 255.

Distribution

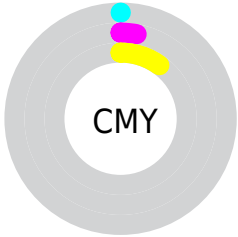


- Red (100%)
- Green (97%)
- Blue (90%)

- Red (95%)
- Yellow (100%)
- Blue (90%)



- Cyan (0%)
- Magenta (3%)
- Yellow (10%)
- Black (0%)



- Cyan (0%)
- Magenta (3%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 242, 255, 230 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 242, 255, 230 by changing the saturation by 10% instead.

242, 255, 230

255, 255, 255

242, 255, 230

214, 226, 202

185, 198, 175

158, 171, 148

132, 144, 122

107, 119, 97

81, 94, 73

60, 70, 51

37, 47, 30

11, 27, 5

242, 255, 230

229, 255, 205

216, 255, 179

203, 255, 154

189, 255, 128

175, 255, 103

163, 255, 77

150, 255, 52

135, 255, 26

124, 255, 1

242, 255, 230

255, 255, 255

Harmonies

Analogous

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

253, 255, 232

242, 255, 230

232, 250, 237

Triad

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

242, 255, 230

226, 240, 255

255, 243, 255

Complementary

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

242, 255, 230

230, 236, 255

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.

250, 245, 255

242, 255, 230

230, 241, 255

Square

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

242, 255, 230

228, 242, 253

239, 245, 255

255, 242, 248

Rectangle

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

242, 255, 230

236, 251, 249

239, 245, 255

255, 244, 255

Sweetspot

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

242, 255, 230

250, 255, 247

255, 230, 238

125, 128, 122

0, 0, 0

128, 128, 128

Same Dimension

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

242, 255, 230

239, 255, 224

230, 255, 234

123, 128, 115

92, 191, 0

31, 64, 0

Inverse Universe

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

230, 236, 255

224, 232, 255

234, 230, 255

115, 118, 128

0, 47, 191

0, 16, 64

Previews

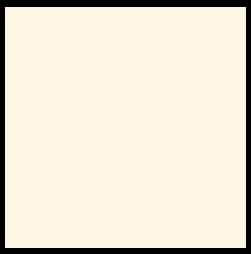
White Background

This preview shows how the RYB color 242, 255, 230 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



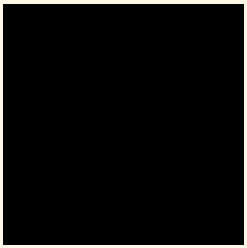
This preview shows how the RYB color 242, 255, 230 looks on a black background.

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 242, 255, 230 Background



This preview shows how black text looks on a background with the RYB color 242, 255, 230.

This preview shows how white text looks on a background with the RYB color 242, 255, 230.

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
242, 255, 230

Protanopia
244, 255, 232

Deuteranopia
255, 246, 244

Tritanopia
254, 245, 255

Trichromacy

Original Color
242, 255, 230

Protanomaly
243, 255, 231

Deuteranomaly
255, 251, 239

Tritanomaly
254, 246, 246

Monochromacy

Original Color
242, 255, 230

Achromatopsia
247, 247, 247

Achromatomaly
246, 250, 241

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 255, 230 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(255, 247, 230) looks like.

```
.text, #text, p{
    color:rgb(255, 247, 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(255, 247, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 230) }
```

Border

The CSS property to change the border of an element to RYB 242, 255, 230 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(255, 247, 230) }
```

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

```
.border{ border-color:rgb(255, 247, 230) }
```

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

Here you see how a box with a 4 pixel rgb(255, 247, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 247, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 247, 230); box-shadow:4px 4px 4px 4px rgb(255, 247, 230) }
```

Background

The CSS property to change the background color of an element to RYB 242, 255, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(255, 247, 230) }
```

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

```
.background{ background-color:rgb(255,
247, 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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