

Converting Colors

`RYB(226, 226, 220)`

Have a look what the booklet for
RYB(226, 226, 220) contains.

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Color

R_YB(226, 226, 220)

Conversions

Conversions Part 1

Format	Color
Hex	E2DFDC
RGB	226, 223, 220
RGB Percent	89%, 87%, 86%
CMY	0.1137, 0.1255, 0.1373
CMYK	0.00, 0.01, 0.03, 0.11
HSL	30°, 9%, 87%
HSV	30°, 3%, 89%
XYZ	70.6700, 74.1114, 78.2904
YIQ	223.5550, 2.7510, -0.2970

Conversions

Conversions Part 2

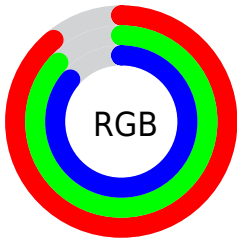
Format	Color
R _Y B	226, 226, 220
Decimal	14868444
CIE Lab	88.98, 0.49, 1.82
CIE LCh	89, 1.881, 74.885
Yxy	74.1114, 0.3168, 0.3322
Android (android.graphics.Color)	4293058524 (0xFFE2DFDC)
YUV	223.5550, -1.7526, 2.1443
Hunter-Lab	86.0880, -4.1226, 6.3419

Details

The RYB color **226, 226, 220** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **220, 222, 226**, and the grayscale version is **224, 224, 224**.

A 20% lighter version of the original color is **255, 255, 255**, and **171, 171, 165** is the 20% darker color. If you saturate the color by 10%, you get **224, 226, 197**, and if you desaturate by 10%, it is **226, 231, 243**.

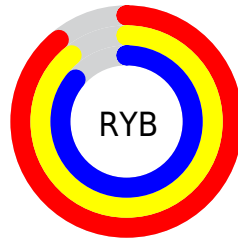
Distribution



Red (89%)

Green (87%)

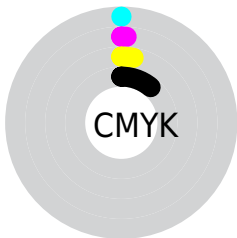
Blue (86%)



Red (89%)

Yellow (89%)

Blue (86%)

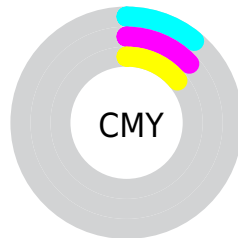


Cyan (0%)

Magenta (1%)

Yellow (3%)

Black (11%)



Cyan (11%)

Magenta (13%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RYB color 226, 226, 220 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 226, 226, 220 by changing the saturation by 10% instead.

■ 226, 226, 220

255, 255, 255

■ 226, 226, 220

■ 198, 198, 192

■ 171, 171, 165

■ 144, 142, 139

■ 119, 119, 113

■ 94, 92, 89

■ 70, 70, 66

■ 46, 48, 43

■ 27, 27, 23

■ 0, 0, 0

 226, 226, 220

 226, 226, 220

 224, 226, 197

 226, 231, 243

 226, 224, 175


 226, 238, 255


 226, 226, 152

 226, 241, 255


 226, 226, 130

 224, 226, 107

 226, 226, 84

 226, 226, 62

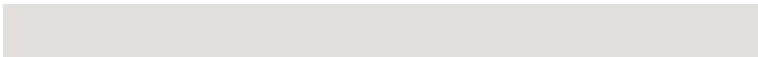
 224, 226, 39

 226, 224, 17

Harmonies

Analogous

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



227, 224, 221



226, 226, 220



220, 224, 220

Triad

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



226, 226, 220



219, 222, 225



225, 223, 226

Complementary

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



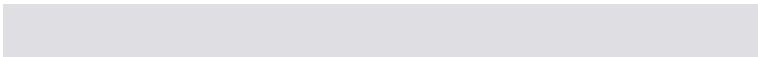
226, 226, 220



220, 222, 226

Split Complementary

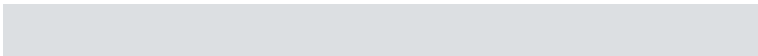
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



223, 223, 227



226, 226, 220



220, 222, 226

Square

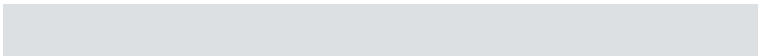
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



226, 226, 220



220, 223, 224



221, 223, 227



227, 222, 224

Rectangle

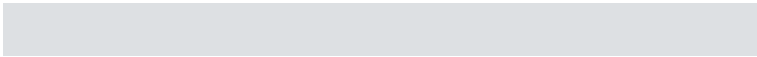
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



226, 226, 220



220, 224, 221



221, 223, 227



224, 223, 226

Sweetspot

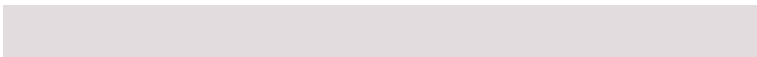
The Sweet Spot groups the original color and five complimentary colors.



226, 226, 220



254, 255, 252



226, 220, 223



128, 128, 126



0, 0, 0



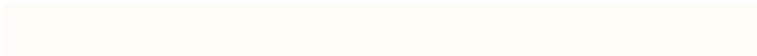
128, 128, 128

Same Dimension

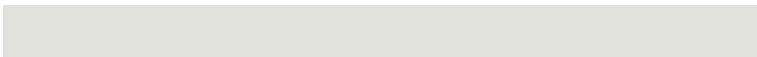
The Same Dimension uses a secret algorithm to generate beautiful new colors.



226, 226, 220



255, 255, 247



220, 226, 220



112, 112, 108



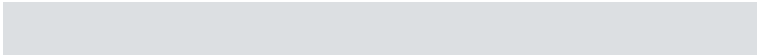
176, 176, 0



48, 48, 0

Inverse Universe

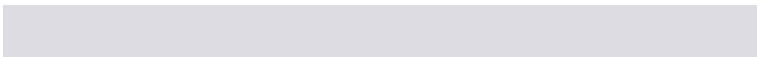
The Inverse Universe completely reimagines the original color for something new.



220, 222, 226



247, 250, 255



220, 220, 226



108, 109, 112



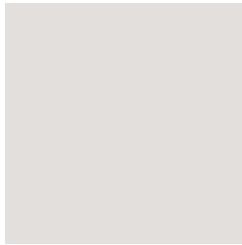
0, 59, 176



0, 16, 48

Previews

White Background



This preview shows how the RYB color 226, 226, 220 looks on a white background.

Color Contrast Check

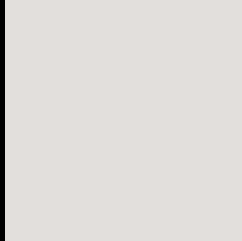
Large Text (above 18pt) WCAG AA × Fail

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 226, 226, 220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

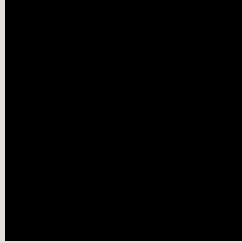
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

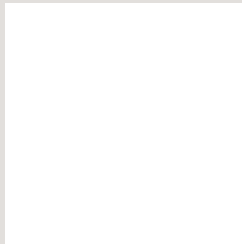
Any Text WCAG AAA ✓ Pass

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

R/Y/B 226, 226, 220 Background



This preview shows how black text looks on a background with the R/Y/B color 226, 226, 220.

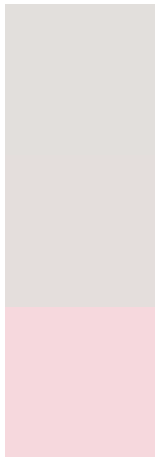


This preview shows how white text looks on a background with the R/Y/B color 226, 226, 220.

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
226, 226, 220

Protanopia
228, 223, 220

Deuteranopia
246, 216, 221



Tritanopia

229, 220, 238

Trichromacy



Original Color

226, 226, 220

Protanomaly

227, 223, 220

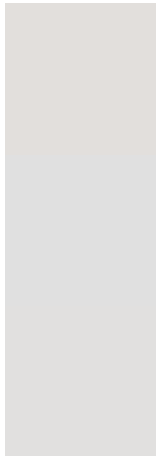
Deuteranomaly

239, 219, 221

Tritanomaly

228, 221, 231

Monochromacy



Original Color

226, 226, 220

Achromatopsia

224, 224, 224

Achromatomaly

225, 225, 223

CSS Examples

Text

The CSS property to change the color of the text to RYB 226, 226, 220 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(226, 223, 220) looks like.

```
.text, #text, p{  
    color:rgb(226, 223, 220)  
}
```

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(226, 223, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 223, 220) }
```

Border

The CSS property to change the border of an element to RYB 226, 226, 220 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(226, 223, 220) }
```

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

```
.border{ border-color:rgb(226, 223, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 223, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 223, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 223, 220);  
box-shadow:4px 4px 4px 4px rgb(226, 223,  
220) }
```

Background

The CSS property to change the background color of an element to RYB 226, 226, 220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 223, 220) }
```

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

```
.background{ background-color: rgb(226,  
223, 220) }
```

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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