

Converting Colors

`RYB(171, 220, 105)`

Have a look what the booklet for
RYB(171, 220, 105) contains.

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Color

R_YB(171, 220, 105)

Conversions

Conversions Part 1

Format	Color
Hex	DCB269
RGB	220, 178, 105
RGB Percent	86%, 70%, 41%
CMY	0.1373, 0.3017, 0.5882
CMYK	0.00, 0.19, 0.52, 0.14
HSL	38°, 62%, 64%
HSV	38°, 52%, 86%
XYZ	47.9986, 48.1027, 20.1196
YIQ	182.2360, 48.4650, -13.7990

Conversions

Conversions Part 2

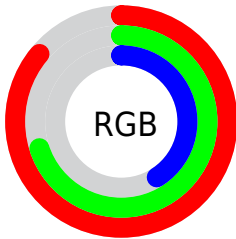
Format	Color
RYB	171, 220, 105
Decimal	14463593
CIELab	74.89, 6.40, 42.79
CIELCh	75, 43.267, 81.490
Yxy	48.1027, 0.4130, 0.4139
Android (android.graphics.Color)	4292653673 (0xFFDCB269)
YUV	182.2360, -38.0773, 33.1190
Hunter-Lab	69.3561, 2.1594, 31.3498

Details

The RYB color **171, 220, 105** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **105, 136, 220**, and the grayscale version is **183, 183, 183**.

A 20% lighter version of the original color is **185, 255, 158**, and **109, 162, 55** is the 20% darker color. If you saturate the color by 10%, you get **162, 220, 83**, and if you desaturate by 10%, it is **181, 220, 127**.

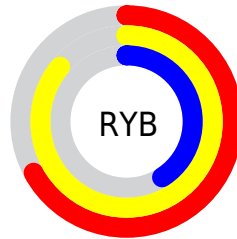
Distribution



Red (86%)

Green (70%)

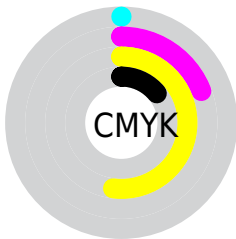
Blue (41%)



Red (67%)

Yellow (86%)

Blue (41%)

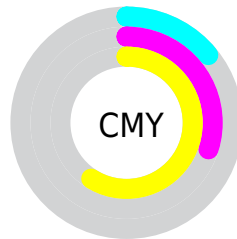


Cyan (0%)

Magenta (19%)

Yellow (52%)

Black (14%)



Cyan (14%)

Magenta (30%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 171, 220, 105 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 171, 220, 105 by changing the saturation by 10% instead.

 171, 220, 105


255, 255, 255

 185, 255, 158

 185, 255, 185


 213, 255, 213

 242, 255, 242


 171, 220, 105

 143, 191, 80


 109, 162, 55

 78, 134, 30

 44, 107, 2

 41, 81, 0

 37, 55, 0

 31, 20, 0

 0, 0, 0

 171, 220, 105

 171, 220, 105

162, 220, 83

181, 220, 127

152, 220, 61

190, 220, 149

143, 220, 39

199, 220, 171

133, 220, 17

209, 220, 193

126, 220, 0

218, 220, 215

220, 224, 237

220, 230, 255

220, 234, 255

220, 236, 255

Harmonies

Analogous

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



249, 184, 123



171, 220, 105



109, 191, 119

Triad

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



171, 220, 105



0, 104, 212



223, 164, 234

Complementary

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



171, 220, 105



105, 136, 220

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.



172, 178, 255



171, 220, 105



0, 111, 246

Square

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



171, 220, 105



79, 152, 205



102, 159, 255



254, 154, 197

Rectangle

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



171, 220, 105



123, 197, 169



102, 159, 255



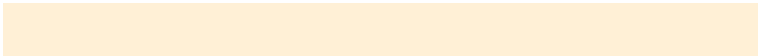
208, 168, 244

Sweetspot

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



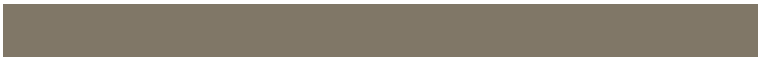
171, 220, 105



238, 255, 214



220, 105, 147



117, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



171, 220, 105



187, 255, 94



105, 220, 120



105, 110, 99



99, 173, 0



27, 46, 0

Inverse Universe

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



105, 136, 220



94, 137, 255



120, 105, 220



99, 102, 110



0, 46, 173



0, 12, 46

Previews

White Background



This preview shows how the RYB color 171, 220, 105 looks on a white background.

Color Contrast Check

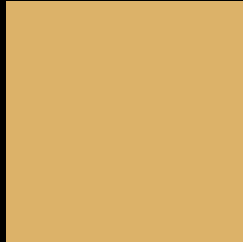
Large Text (above 18pt) WCAG AA × Fail

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 171, 220, 105 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 171, 220, 105 Background



This preview shows how black text looks on a background with the RYB color 171, 220, 105.



This preview shows how white text looks on a background with the RYB color 171, 220, 105.

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
171, 220, 105

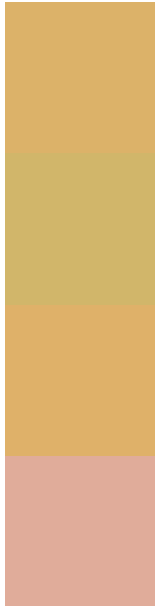
Protanopia
128, 202, 107

Deuteranopia
188, 225, 105



Tritanopia
227, 169, 182

Trichromacy



Original Color
171, 220, 105

Protanomaly
143, 209, 106

Deuteranomaly
180, 223, 105

Tritanomaly
224, 178, 154

Monochromacy



Original Color
171, 220, 105

Achromatopsia
182, 182, 182

Achromatomaly
177, 196, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 171, 220, 105 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(220, 178, 105)` looks like.

```
.text, #text, p{  
    color:rgb(220, 178, 105)  
}
```

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(220, 178, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 178, 105) }
```

Border

The CSS property to change the border of an element to RYB 171, 220, 105 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(220, 178, 105) }
```

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

```
.border{ border-color:rgb(220, 178, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 178, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 178, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 178, 105);  
box-shadow:4px 4px 4px 4px rgb(220, 178,  
105) }
```

Background

The CSS property to change the background color of an element to RYB 171, 220, 105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 178, 105) }
```

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

```
.background{ background-color: rgb(220,  
178, 105) }
```

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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