

Converting Colors

`RYB(146, 204, 105)`

Have a look what the booklet for
RYB(146, 204, 105) contains.

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Color

R_YB(146, 204, 105)

Conversions

Conversions Part 1

Format	Color
Hex	CCAF69
RGB	204, 175, 105
RGB Percent	80%, 69%, 41%
CMY	0.2000, 0.3137, 0.5882
CMYK	0.00, 0.14, 0.49, 0.20
HSL	42°, 49%, 61%
HSV	42°, 49%, 80%
XYZ	42.7830, 44.5200, 19.7029
YIQ	175.6910, 39.7540, -15.6220

Conversions

Conversions Part 2

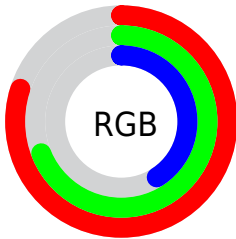
Format	Color
RYB	146, 204, 105
Decimal	13414249
CIELab	72.57, 1.40, 39.59
CIELCh	73, 39.616, 87.971
Yxy	44.5200, 0.3998, 0.4161
Android (android.graphics.Color)	4291604329 (0xFFCCAF69)
YUV	175.6910, -34.8507, 24.8270
Hunter-Lab	66.7233, -2.3116, 29.1984

Details

The RYB color **146, 204, 105** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **105, 127, 204**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **191, 255, 157**, and **90, 148, 56** is the 20% darker color. If you saturate the color by 10%, you get **135, 204, 85**, and if you desaturate by 10%, it is **157, 204, 125**.

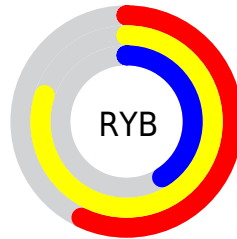
Distribution



Red (80%)

Green (69%)

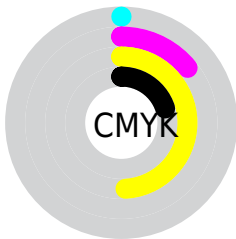
Blue (41%)



Red (57%)

Yellow (80%)

Blue (41%)

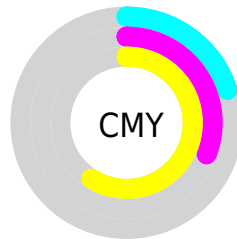


Cyan (0%)

Magenta (14%)

Yellow (49%)

Black (20%)



Cyan (20%)

Magenta (31%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 146, 204, 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 146, 204, 105 by changing the saturation by 10% instead.


 146, 204, 105

 146, 204, 105


255, 255, 255

 120, 176, 80


 191, 255, 157

 90, 148, 56

 185, 255, 185

 62, 121, 31


 213, 255, 213

 31, 94, 5

 241, 255, 241

 23, 69, 0

 17, 43, 0

 17, 15, 0

 0, 0, 0

 146, 204, 105

 146, 204, 105

■ 135, 204, 85

■ 157, 204, 125

■ 122, 204, 64

■ 170, 204, 146

■ 111, 204, 44

■ 181, 204, 166

■ 98, 204, 23

■ 194, 204, 187

■ 87, 204, 3

■ 204, 205, 207

■ 85, 204, 0

■ 204, 209, 227

■ 204, 214, 248

■ 204, 218, 255

■ 204, 221, 255

Harmonies

Analogous

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



233, 189, 118



146, 204, 105



113, 186, 132

Triad

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



146, 204, 105



8, 106, 211



221, 157, 217

Complementary

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



146, 204, 105



105, 127, 204

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.



179, 170, 242



146, 204, 105



52, 132, 239

Square

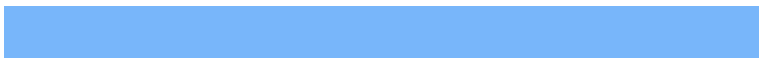
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



146, 204, 105



74, 142, 197



120, 162, 250



245, 150, 182

Rectangle

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



146, 204, 105



128, 192, 181



120, 162, 250



209, 161, 227

Sweetspot

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



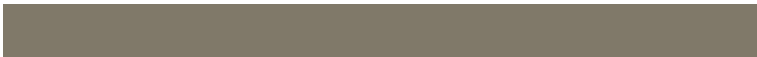
146, 204, 105



232, 255, 217



204, 105, 135



115, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



146, 204, 105



168, 255, 107



105, 204, 125



96, 102, 92



70, 166, 0



15, 38, 0

Inverse Universe

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



105, 127, 204



107, 140, 255



125, 105, 204



92, 94, 102



0, 38, 166



0, 9, 38

Previews

White Background



This preview shows how the RYB color 146, 204, 105 looks on a white background.

Color Contrast Check

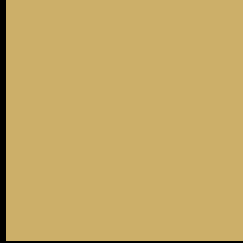
Large Text (above 18pt) WCAG AA × Fail

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 146, 204, 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 146, 204, 105 Background



This preview shows how black text looks on a background with the RYB color 146, 204, 105.

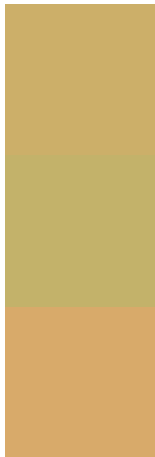


This preview shows how white text looks on a background with the RYB color 146, 204, 105.

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
146, 204, 105

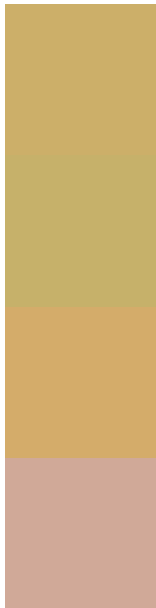
Protanopia
127, 195, 106

Deuteranopia
185, 216, 106



Tritanopia
211, 166, 179

Trichromacy



Original Color
146, 204, 105

Protanomaly
133, 198, 106

Deuteranomaly
170, 212, 106

Tritanomaly
208, 176, 152

Monochromacy



Original Color
146, 204, 105

Achromatopsia
176, 176, 176

Achromatomaly
164, 186, 150

CSS Examples

Text

The CSS property to change the color of the text to RGB 146, 204, 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(204, 175, 105) looks like.

```
.text, #text, p{  
    color:rgb(204, 175, 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(204, 175, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 175, 105) }
```

Border

The CSS property to change the border of an element to RYB 146, 204, 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(204, 175, 105) }
```

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

```
.border{ border-color:rgb(204, 175, 105) }
```

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

Here you see how a box with a 4 pixel rgb(204, 175, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 175, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 175, 105);  
box-shadow:4px 4px 4px 4px rgb(204, 175,  
105) }
```

Background

The CSS property to change the background color of an element to RYB 146, 204, 105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 175, 105) }
```

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

```
.background{ background-color: rgb(204,  
175, 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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