

Converting Colors

`RYB(228, 177, 119)`

Have a look what the booklet for
RYB(228, 177, 119) contains.

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Color

R_YB(228, 177, 119)

Conversions

Conversions Part 1

Format	Color
Hex	E49D77
RGB	228, 157, 119
RGB Percent	89%, 62%, 47%
CMY	0.1059, 0.3849, 0.5333
CMYK	0.00, 0.31, 0.48, 0.11
HSL	21°, 67%, 68%
HSV	21°, 48%, 89%
XYZ	47.3574, 41.8912, 23.0426
YIQ	173.8970, 54.5140, 3.2340

Conversions

Conversions Part 2

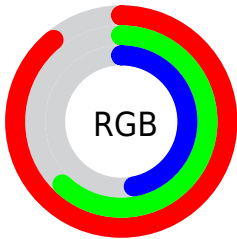
Format	Color
R _Y B	228, 177, 119
Decimal	14982519
CIE Lab	70.80, 22.27, 30.46
CIE LCh	71, 37.734, 53.835
Yxy	41.8912, 0.4217, 0.3731
Android (android.graphics.Color)	4293172599 (0xFFE49D77)
YUV	173.8970, -27.0642, 47.4483
Hunter-Lab	64.7234, 17.3403, 24.1982

Details

The RYB color **228, 177, 119** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **119, 162, 228**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **255, 249, 172**, and **170, 124, 70** is the 20% darker color. If you saturate the color by 10%, you get **228, 167, 96**, and if you desaturate by 10%, it is **228, 188, 142**.

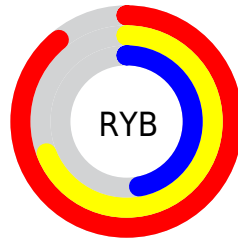
Distribution



Red (89%)

Green (62%)

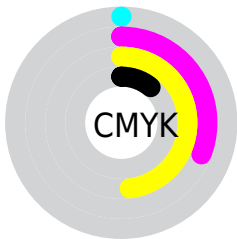
Blue (47%)



Red (89%)

Yellow (69%)

Blue (47%)

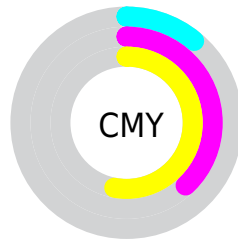


Cyan (0%)

Magenta (31%)

Yellow (48%)

Black (11%)



Cyan (11%)

Magenta (38%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 177, 119 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 228, 177, 119 by changing the saturation by 10% instead.

 228, 177, 119

255, 255, 255


 255, 249, 172


 219, 255, 199

 227, 255, 227

 228, 177, 119

 199, 151, 94

 170, 124, 70

 141, 100, 47

 114, 75, 25


 87, 59, 0

 60, 17, 0

 38, 0, 1

 0, 0, 0


 228, 177, 119

 228, 177, 119

 228, 167, 96


 228, 188, 142

 228, 156, 73

 228, 199, 165

 228, 144, 51

 228, 211, 187

 228, 133, 28

 228, 219, 210

 228, 123, 5

 228, 230, 233

 228, 121, 0

 228, 239, 255

 228, 242, 255

Harmonies

Analogous

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



240, 148, 147



228, 177, 119



155, 202, 105

Triad

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



228, 177, 119



83, 144, 191



167, 167, 236

Complementary

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



228, 177, 119



119, 162, 228

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.



111, 156, 241



228, 177, 119



35, 115, 200

Square

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



228, 177, 119



128, 183, 187



51, 128, 228



210, 155, 214

Rectangle

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



228, 177, 119



110, 180, 106



51, 128, 228



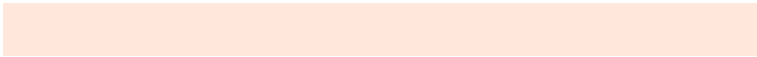
150, 167, 240

Sweetspot

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



228, 177, 119



255, 239, 219



228, 119, 192



128, 116, 106



0, 0, 0



128, 128, 128

Same Dimension

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



228, 177, 119



255, 186, 110



141, 228, 119



115, 109, 103



179, 95, 0



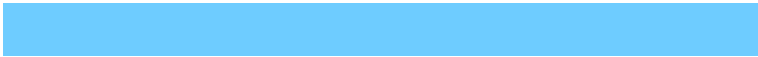
51, 28, 0

Inverse Universe

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



119, 162, 228



110, 167, 255



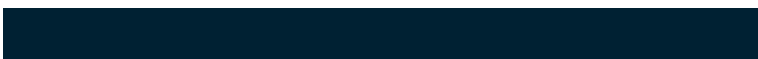
119, 134, 228



103, 108, 115



0, 71, 179



0, 20, 51

Previews

White Background



This preview shows how the RYB color 228, 177, 119 looks on a white background.

Color Contrast Check

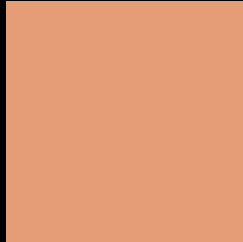
Large Text (above 18pt) WCAG AA × Fail

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 228, 177, 119 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 228, 177, 119 Background



This preview shows how black text looks on a background with the RYB color 228, 177, 119.

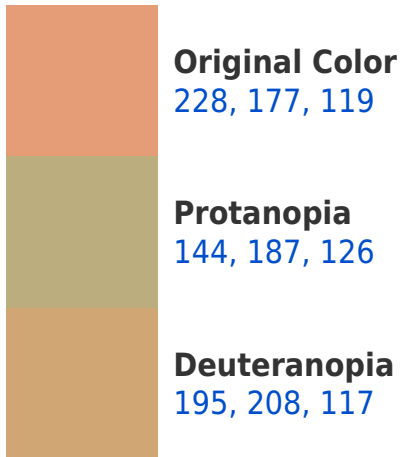


This preview shows how white text looks on a background with the RYB color 228, 177, 119.

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





Tritanopia
232, 151, 162

Trichromacy



Original Color

228, 177, 119

Protanomaly

186, 202, 123

Deuteranomaly

215, 202, 118

Tritanomaly

231, 154, 146

Monochromacy



Original Color

228, 177, 119

Achromatopsia

174, 174, 174

Achromatomaly

194, 176, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 177, 119 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(228, 157, 119)` looks like.

```
.text, #text, p{  
    color:rgb(228, 157, 119)  
}
```

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(228, 157, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 157, 119) }
```

Border

The CSS property to change the border of an element to RYB 228, 177, 119 is called "border". The border property can be set on classes, ids or directly on the HTML element.

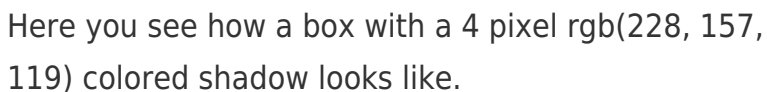
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 157, 119) }
```

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

```
.border{ border-color:rgb(228, 157, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 157, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 157, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 157, 119); box-shadow:4px 4px 4px 4px rgb(228, 157, 119) }
```

Background

The CSS property to change the background color of an element to RYB 228, 177, 119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 157, 119) }
```

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

```
.background{ background-color: rgb(228,  
157, 119) }
```

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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