

Converting Colors

`RYB(230, 228, 101)`

Have a look what the booklet for
RYB(230, 228, 101) contains.

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Color

R_YB(230, 228, 101)

Conversions

Conversions Part 1

Format	Color
Hex	E6A565
RGB	230, 165, 101
RGB Percent	90%, 65%, 40%
CMY	0.0980, 0.3530, 0.6039
CMYK	0.00, 0.28, 0.56, 0.10
HSL	30°, 72%, 65%
HSV	30°, 56%, 90%
XYZ	48.4365, 44.6714, 18.3815
YIQ	177.1390, 59.2840, -6.1240

Conversions

Conversions Part 2

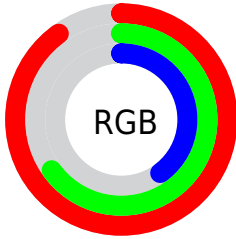
Format	Color
RYP	230, 228, 101
Decimal	15115621
CIELab	72.68, 17.16, 42.35
CIElCh	73, 45.695, 67.948
Yxy	44.6714, 0.4344, 0.4007
Android (android.graphics.Color)	4293305701 (0xFFE6A565)
YUV	177.1390, -37.5365, 46.3591
Hunter-Lab	66.8367, 12.3946, 30.4797

Details

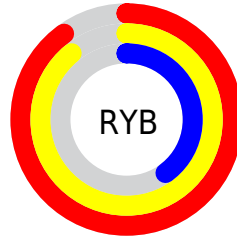
The RYB color **230, 228, 101** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **101, 144, 230**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **206, 255, 153**, and **165, 171, 52** is the 20% darker color. If you saturate the color by 10%, you get **230, 226, 78**, and if you desaturate by 10%, it is **230, 230, 124**.

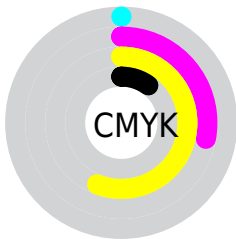
Distribution



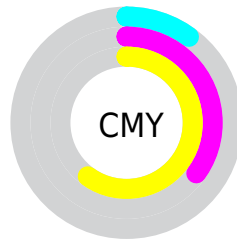
- Red (90%)
- Green (65%)
- Blue (40%)



- Red (90%)
- Yellow (89%)
- Blue (40%)



- Cyan (0%)
- Magenta (28%)
- Yellow (56%)
- Black (10%)



- Cyan (10%)
- Magenta (35%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 230, 228, 101 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 230, 228, 101 by changing the saturation by 10% instead.

 230, 228, 101

255, 255, 255

 206, 255, 153

 187, 255, 180

 208, 255, 208

 237, 255, 237

 230, 228, 101

 196, 200, 76

 165, 171, 52

 128, 143, 27

 88, 114, 1

 87, 85, 0

 60, 35, 0

 37, 0, 0


 0, 0, 0

 230, 228, 101


 230, 228, 101

 230, 226, 78

 230, 230, 124

 230, 228, 55

 230, 228, 147

 230, 226, 32

 230, 230, 170

 230, 228, 9

 230, 228, 193

 230, 226, 0

 230, 230, 216

 230, 233, 239

 230, 240, 255

 230, 243, 255

Harmonies

Analogous

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



253, 156, 129



230, 228, 101



110, 194, 94

Triad

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



230, 228, 101



0, 103, 200



197, 163, 244

Complementary

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



230, 228, 101



101, 144, 230

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.



132, 166, 255



230, 228, 101



0, 106, 228

Square

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



230, 228, 101



94, 164, 198



20, 119, 255



239, 149, 211

Rectangle

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



230, 228, 101



102, 188, 125



20, 119, 255



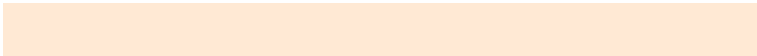
178, 169, 252

Sweetspot

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



230, 228, 101



255, 253, 212



230, 101, 168



128, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



230, 228, 101



255, 253, 84



103, 230, 101



115, 115, 103



179, 177, 0



51, 49, 0

Inverse Universe

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



101, 144, 230



84, 141, 255



101, 103, 230



103, 107, 115



0, 60, 179



0, 17, 51

Previews

White Background



This preview shows how the RYB color 230, 228, 101 looks on a white background.

Color Contrast Check

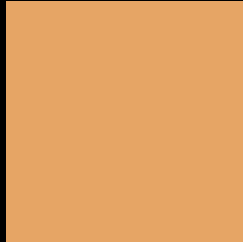
Large Text (above 18pt) WCAG AA × Fail

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 230, 228, 101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

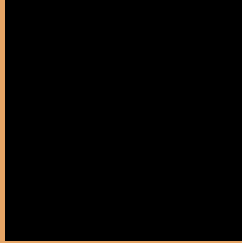
Any Text WCAG AA ✓ Pass

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 230, 228, 101 Background



This preview shows how black text looks on a background with the RYB color 230, 228, 101.



This preview shows how white text looks on a background with the RYB color 230, 228, 101.

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
230, 228, 101

Protanopia
127, 196, 106

Deuteranopia
181, 218, 100



Tritanopia
235, 157, 169

Trichromacy



Original Color

230, 228, 101

Protanomaly

155, 208, 104

Deuteranomaly

197, 222, 100

Tritanomaly

233, 164, 144

Monochromacy



Original Color

230, 228, 101

Achromatopsia

177, 177, 177

Achromatomaly

194, 196, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 230, 228, 101 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(230, 165, 101)` looks like.

```
.text, #text, p{  
    color:rgb(230, 165, 101)  
}
```

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(230, 165, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 165, 101) }
```

Border

The CSS property to change the border of an element to RYB 230, 228, 101 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(230, 165, 101) }
```

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

```
.border{ border-color:rgb(230, 165, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 165, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 165, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 165, 101);  
box-shadow:4px 4px 4px 4px rgb(230, 165,  
101) }
```

Background

The CSS property to change the background color of an element to RYB 230, 228, 101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 165, 101) }
```

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

```
.background{ background-color: rgb(230,  
165, 101) }
```

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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