

Converting Colors

`RYB(30, 238, 0)`

Have a look what the booklet for
RYB(30, 238, 0) contains.

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Color

RYB(30, 238, 0)

Conversions

Conversions Part 1

Format	Color
Hex	EED300
RGB	238, 211, 0
RGB Percent	93%, 83%, 0%
CMY	0.0667, 0.1711, 1.0000
CMYK	0.00, 0.11, 1.00, 0.07
HSL	53°, 100%, 47%
HSV	53°, 100%, 93%
XYZ	58.6433, 64.9439, 9.4446
YIQ	195.0190, 83.8230, -59.8970

Conversions

Conversions Part 2

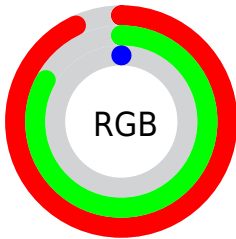
Format	Color
R _Y B	30, 238, 0
Decimal	15651584
CIE Lab	84.45, -7.33, 84.67
CIE LCh	84, 84.982, 94.951
Yxy	64.9439, 0.4408, 0.4882
Android (android.graphics.Color)	4293841664 (0xFFEED300)
YUV	195.0190, -96.1444, 37.6943
Hunter-Lab	80.5878, -11.1351, 49.4629

Details

The RYB color **30, 238, 0** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **0, 24, 238**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **87, 255, 87**, and **23, 177, 0** is the 20% darker color. If you saturate the color by 10%, you get **30, 238, 0**, and if you desaturate by 10%, it is **51, 238, 24**.

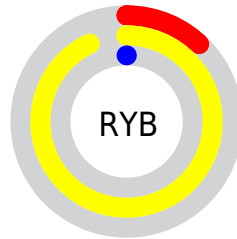
Distribution



Red (93%)

Green (83%)

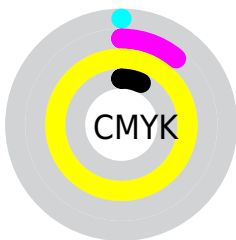
Blue (0%)



Red (12%)

Yellow (93%)

Blue (0%)

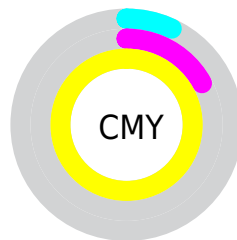


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (7%)



Cyan (7%)


















Magenta (17%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the RYB color 30, 238, 0 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 30, 238, 0 by changing the saturation by 10% instead.

 30, 238, 0	 30, 238, 0
255, 255, 255	 26, 207, 0
 87, 255, 87	 23, 177, 0
 117, 255, 117	 18, 147, 0
 147, 255, 147	 12, 118, 0
 176, 255, 176	 8, 90, 0
 205, 255, 205	 3, 63, 0
 235, 255, 235	 0, 39, 1
	 0, 19, 13
	 0, 0, 0

■ 30, 238, 0

■ 51, 238, 24

■ 72, 238, 48

■ 92, 238, 71

■ 113, 238, 95

■ 134, 238, 119

■ 155, 238, 143

■ 176, 238, 167

■ 196, 238, 190

■ 217, 238, 214

Harmonies

Analogous

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



174, 255, 56



30, 238, 0



64, 232, 142

Triad

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



30, 238, 0



0, 125, 255



255, 147, 255

Complementary

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



30, 238, 0



0, 24, 238

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.



229, 183, 255



30, 238, 0



0, 123, 255

Square

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



30, 238, 0



0, 131, 248



0, 117, 255



255, 130, 201

Rectangle

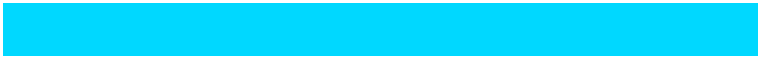
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30, 238, 0



66, 203, 240



0, 117, 255



255, 159, 255

Sweetspot

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



30, 238, 0



189, 255, 179



238, 0, 28



89, 128, 82



0, 0, 0



128, 128, 128

Same Dimension

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



30, 238, 0



33, 255, 0



0, 238, 91



109, 120, 108



24, 184, 0



7, 56, 0

Inverse Universe

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



0, 24, 238



0, 26, 255



91, 0, 238



108, 109, 120



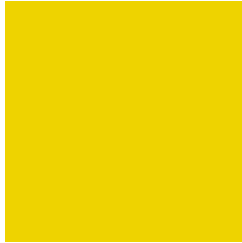
0, 19, 184



0, 5, 56

Previews

White Background



This preview shows how the RYB color 30, 238, 0 looks on a white background.

Color Contrast Check

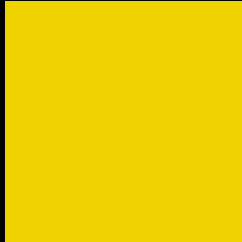
Large Text (above 18pt) WCAG AA × Fail

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 30, 238, 0 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 30, 238, 0 Background



This preview shows how black text looks on a background with the RYB color 30, 238, 0.



This preview shows how white text looks on a background with the RYB color 30, 238, 0.

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
30, 238, 0

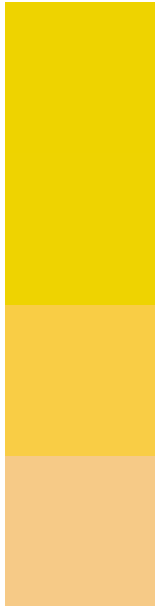
Protanopia
31, 238, 1

Deuteranopia
192, 255, 109



Tritanopia
250, 196, 212

Trichromacy



Original Color
30, 238, 0

Protanomaly
31, 238, 1

Deuteranomaly
127, 249, 69

Tritanomaly
208, 246, 135

Monochromacy



Original Color
30, 238, 0

Achromatopsia
195, 195, 195

Achromatomaly
135, 211, 124

CSS Examples

Text

The CSS property to change the color of the text to RYB 30, 238, 0 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(238, 211, 0)` looks like.

```
.text, #text, p{  
    color:rgb(238, 211, 0)  
}
```

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(238, 211, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 211, 0) }
```

Border

The CSS property to change the border of an element to RYB 30, 238, 0 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(238, 211, 0) }
```

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

```
.border{ border-color:rgb(238, 211, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 211, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 211, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 211, 0);  
box-shadow:4px 4px 4px 4px rgb(238, 211,  
0) }
```

Background

The CSS property to change the background color of an element to RGB 238, 211, 0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 211, 0) }
```

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

```
.background{ background-color: rgb(238,  
211, 0) }
```

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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