

Converting Colors

`RYB(36, 255, 141)`

Have a look what the booklet for
RYB(36, 255, 141) contains.

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Color

`RYB(36, 255, 141)`

Conversions

Conversions Part 1

Format	Color
Hex	96FF24
RGB	150, 255, 36
RGB Percent	59%, 100%, 14%
CMY	0.4118, 0.0000, 0.8588
CMYK	0.41, 0.00, 0.86, 0.00
HSL	89°, 100%, 57%
HSV	89°, 86%, 100%
XYZ	48.6561, 78.1314, 14.1855
YIQ	198.6390, 7.7190, -90.3690

Conversions

Conversions Part 2

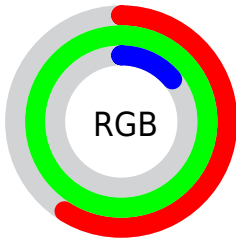
Format	Color
R_{YB}	36, 255, 141
Decimal	9895716
CIE _{Lab}	90.84, -60.54, 82.82
CIE _{LCh}	91, 102.585, 126.166
Yxy	78.1314, 0.3451, 0.5542
Android (android.graphics.Color)	4288085796 (0xFF96FF24)
YUV	198.6390, -80.1810, -42.6564
Hunter-Lab	88.3920, -56.4291, 52.3593

Details

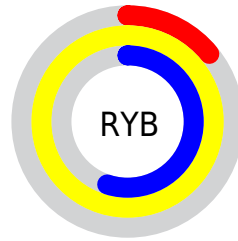
The RYB color **36, 255, 141** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **141, 36, 255**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **106, 255, 150**, and **0, 197, 110** is the 20% darker color. If you saturate the color by 10%, you get **10, 255, 127**, and if you desaturate by 10%, it is **61, 255, 154**.

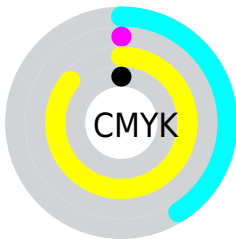
Distribution



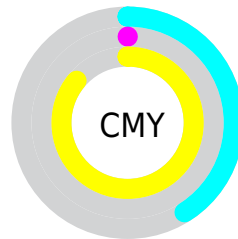
- Red (59%)
- Green (100%)
- Blue (14%)



- Red (14%)
- Yellow (100%)
- Blue (55%)



- Cyan (41%)
- Magenta (0%)
- Yellow (86%)
- Black (0%)




















- Cyan (41%)
- Magenta (0%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the RYB color 36, 255, 141 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 36, 255, 141 by changing the saturation by 10% instead.

 36, 255, 141	 36, 255, 141
 255, 255, 255	 0, 226, 107
 106, 255, 150	 0, 197, 110
 136, 255, 149	 0, 170, 119
 165, 255, 165	 0, 142, 142
 195, 255, 195	 0, 116, 116
 225, 255, 225	 0, 90, 90
	 0, 65, 65
	 0, 42, 42
	 0, 6, 6

■ 36, 255, 141

■ 36, 255, 141

■ 10, 255, 127

■ 61, 255, 154

■ 0, 255, 122

■ 87, 255, 168

■ 112, 255, 180

■ 138, 255, 194

■ 163, 255, 207

■ 189, 255, 221

■ 214, 255, 233

■ 240, 255, 247

255, 255, 255

Harmonies

Analogous

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



26, 255, 0



36, 255, 141



0, 163, 255

Triad

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



36, 255, 141



0, 128, 255



255, 119, 213

Complementary

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



36, 255, 141



141, 36, 255

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.



255, 143, 255



36, 255, 141



0, 122, 255

Square

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



36, 255, 141



0, 128, 255



254, 193, 255



255, 156, 118

Rectangle

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



36, 255, 141



0, 139, 255



254, 193, 255



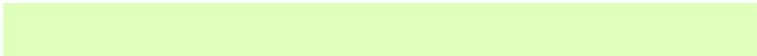
255, 121, 246

Sweetspot

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



36, 255, 141



189, 255, 221



255, 227, 36



88, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

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



36, 255, 141



0, 255, 122



36, 255, 248



115, 128, 122



0, 191, 91



0, 64, 31

Inverse Universe

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



141, 36, 255



122, 0, 255



248, 36, 255



121, 115, 128



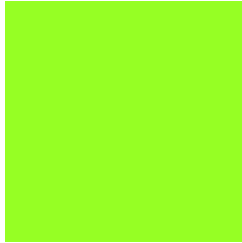
92, 0, 191



31, 0, 64

Previews

White Background



This preview shows how the RYB color 36, 255, 141 looks on a white background.

Color Contrast Check

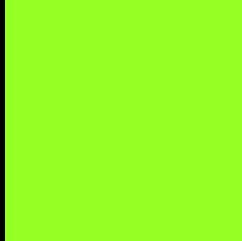
Large Text (above 18pt) WCAG AA × Fail

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 36, 255, 141 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

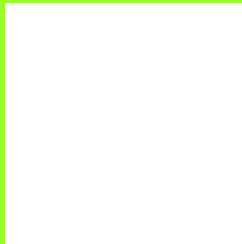
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 36, 255, 141 Background



This preview shows how black text looks on a background with the RYB color 36, 255, 141.

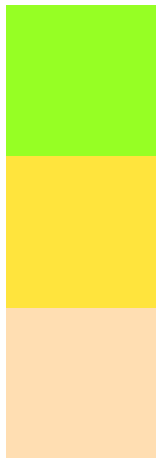


This preview shows how white text looks on a background with the RYB color 36, 255, 141.

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
36, 255, 141

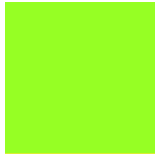
Protanopia
92, 255, 61

Deuteranopia
236, 255, 178



Tritanopia
181, 213, 255

Trichromacy



Original Color

36, 255, 141



Protanomaly

52, 238, 73



Deuteranomaly

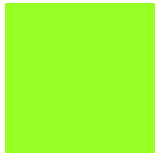
126, 234, 143



Tritanomaly

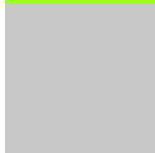
170, 239, 244

Monochromacy



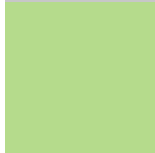
Original Color

36, 255, 141



Achromatopsia

199, 199, 199



Achromatomaly

140, 219, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 36, 255, 141 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(150, 255, 36)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 36)  
}
```

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(150, 255, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 36) }
```

Border

The CSS property to change the border of an element to RYB 36, 255, 141 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(150, 255, 36) }
```

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

```
.border{ border-color:rgb(150, 255, 36) }
```

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

Here you see how a box with a 4 pixel rgb(150, 255, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 36);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
36) }
```

Background

The CSS property to change the background color of an element to RGB 150, 255, 36 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 36) }
```

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

```
.background{ background-color: rgb(150,  
255, 36) }
```

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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