

Converting Colors

`RYB(22, 255, 142)`

Have a look what the booklet for
RYB(22, 255, 142) contains.

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Color

`RYB(22, 255, 142)`

Conversions

Conversions Part 1

Format	Color
Hex	87FF16
RGB	135, 255, 22
RGB Percent	53%, 100%, 9%
CMY	0.4706, 0.0000, 0.9137
CMYK	0.47, 0.00, 0.91, 0.00
HSL	91°, 100%, 54%
HSV	91°, 91%, 100%
XYZ	45.8965, 76.7288, 13.1502
YIQ	192.5580, 3.2730, -97.9030

Conversions

Conversions Part 2

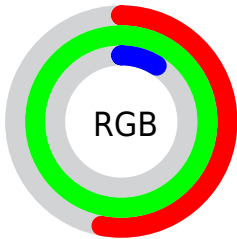
Format	Color
R _Y B	22, 255, 142
Decimal	8912662
CIE Lab	90.20, -65.48, 84.24
CIE LCh	90, 106.691, 127.857
Yxy	76.7288, 0.3380, 0.5651
Android (android.graphics.Color)	4287102742 (0xFF87FF16)
YUV	192.5580, -84.0851, -50.4784
Hunter-Lab	87.5950, -59.7639, 52.4156

Details

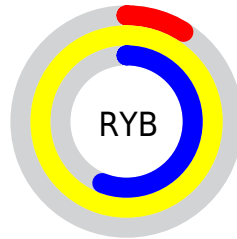
The RYB color **22, 255, 142** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **142, 22, 255**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **99, 255, 157**, and **0, 197, 129** is the 20% darker color. If you saturate the color by 10%, you get **0, 255, 131**, and if you desaturate by 10%, it is **48, 255, 155**.

Distribution



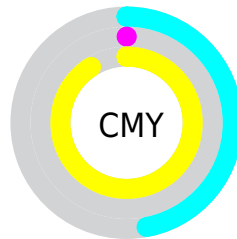
- Red (53%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (56%)



- Cyan (47%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)





















- Cyan (47%)
- Magenta (0%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the RYB color 22, 255, 142 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 22, 255, 142 by changing the saturation by 10% instead.

 22, 255, 142	 22, 255, 142
 255, 255, 255	 0, 226, 123
 99, 255, 157	 0, 197, 129
 129, 255, 156	 0, 169, 153
 159, 255, 159	 0, 142, 142
 189, 255, 189	 0, 115, 115
 219, 255, 219	 0, 89, 89
 249, 255, 249	 0, 64, 64
	 0, 40, 40
	 0, 1, 1

■ 22, 255, 142

■ 22, 255, 142

■ 0, 255, 131

■ 48, 255, 155

■ 73, 255, 167

■ 98, 255, 179

■ 124, 255, 191

■ 149, 255, 203

■ 175, 255, 216

■ 201, 255, 229

■ 226, 255, 241

■ 251, 255, 253

Harmonies

Analogous

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



17, 247, 0



22, 255, 142



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.



22, 255, 142



0, 128, 255



255, 108, 205

Complementary

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



22, 255, 142



142, 22, 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, 132, 255



22, 255, 142



0, 121, 255

Square

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



22, 255, 142



0, 128, 255



255, 186, 255



255, 155, 106

Rectangle

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



22, 255, 142



0, 138, 255



255, 186, 255



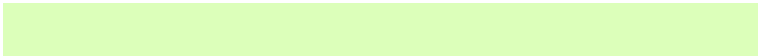
255, 109, 239

Sweetspot

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



22, 255, 142



186, 255, 221



253, 255, 22



87, 128, 109



0, 0, 0



128, 128, 128

Same Dimension

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



22, 255, 142



0, 255, 131



22, 255, 255



115, 128, 122



0, 191, 98



0, 64, 33

Inverse Universe

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



142, 22, 255



131, 0, 255



255, 22, 255



121, 115, 128



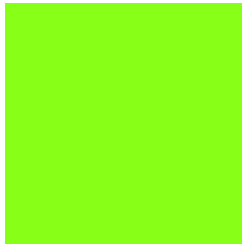
98, 0, 191



33, 0, 64

Previews

White Background



This preview shows how the RYB color 22, 255, 142 looks on a white background.

Color Contrast Check

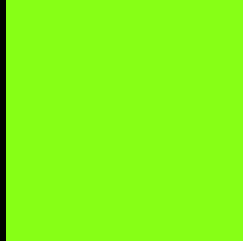
Large Text (above 18pt) WCAG AA × Fail

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 22, 255, 142 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

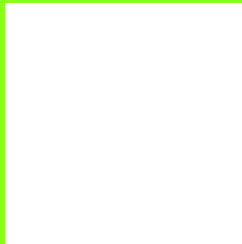
Any Text WCAG AAA ✓ Pass

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

RYB 22, 255, 142 Background



This preview shows how black text looks on a background with the RYB color 22, 255, 142.



This preview shows how white text looks on a background with the RYB color 22, 255, 142.

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
22, 255, 142

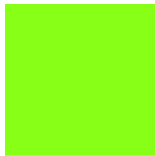
Protanopia
31, 254, 0

Deuteranopia
231, 255, 171



Tritanopia
170, 207, 255

Trichromacy



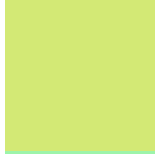
Original Color

22, 255, 142



Protanomaly

8, 237, 34



Deuteranomaly

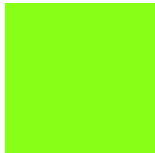
117, 233, 139



Tritanomaly

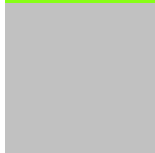
157, 233, 244

Monochromacy



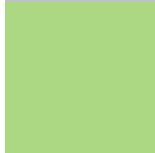
Original Color

22, 255, 142



Achromatopsia

193, 193, 193



Achromatomaly

131, 216, 175

CSS Examples

Text

The CSS property to change the color of the text to RYB 22, 255, 142 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(135, 255, 22)` looks like.

```
.text, #text, p{  
    color:rgb(135, 255, 22)  
}
```

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(135, 255, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 22) }
```

Border

The CSS property to change the border of an element to RYB 22, 255, 142 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(135, 255, 22) }
```

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

```
.border{ border-color:rgb(135, 255, 22) }
```

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

Here you see how a box with a 4 pixel rgb(135, 255, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 255, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 255, 22);  
box-shadow:4px 4px 4px 4px rgb(135, 255,  
22) }
```

Background

The CSS property to change the background color of an element to RGB 22, 255, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 255, 22) }
```

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

```
.background{ background-color: rgb(135,  
255, 22) }
```

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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