

Converting Colors

`RYB(25, 218, 127)`

Have a look what the booklet for
RYB(25, 218, 127) contains.

RYB(25, 218, 127)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(25, 218, 127)`

Conversions

Conversions Part 1

Format	Color
Hex	74DA19
RGB	116, 218, 25
RGB Percent	45%, 85%, 10%
CMY	0.5451, 0.1451, 0.9020
CMYK	0.47, 0.00, 0.89, 0.15
HSL	92°, 79%, 48%
HSV	92°, 89%, 85%
XYZ	32.4493, 53.9260, 9.6182
YIQ	165.5000, 1.1610, -81.6470

Conversions

Conversions Part 2

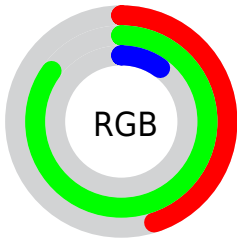
Format	Color
RYB	25, 218, 127
Decimal	7658009
CIELab	78.42, -57.52, 73.72
CIELCh	78, 93.504, 127.964
Yxy	53.9260, 0.3380, 0.5618
Android (android.graphics.Color)	4285848089 (0xFF74DA19)
YUV	165.5000, -69.2665, -43.4115
Hunter-Lab	73.4343, -49.6341, 43.6384

Details

The RYB color **25, 218, 127** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **127, 25, 218**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **93, 255, 172**, and **0, 162, 111** is the 20% darker color. If you saturate the color by 10%, you get **3, 218, 117**, and if you desaturate by 10%, it is **47, 218, 137**.

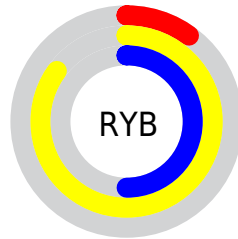
Distribution



Red (45%)

Green (85%)

Blue (10%)



Red (10%)

Yellow (85%)

Blue (50%)

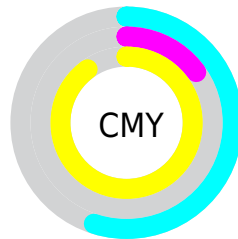


Cyan (47%)

Magenta (0%)

Yellow (89%)

Black (15%)



Cyan (55%)

Magenta (15%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the RYB color 25, 218, 127 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 25, 218, 127 by changing the saturation by 10% instead.



25, 218, 127



25, 218, 127

255, 255, 255



0, 190, 105



93, 255, 172



0, 162, 111



122, 255, 171



0, 135, 135



151, 255, 170



0, 109, 109



180, 255, 180



0, 84, 84



209, 255, 209



0, 59, 59



239, 255, 239



0, 36, 36



0, 0, 0



25, 218, 127



25, 218, 127

■ 3, 218, 117

■ 47, 218, 137

■ 0, 218, 115

■ 69, 218, 148

■ 90, 218, 157

■ 112, 218, 168

■ 134, 218, 178

■ 156, 218, 189

■ 178, 218, 199

■ 199, 218, 209

■ 220, 218, 221

Harmonies

Analogous

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



15, 212, 0



25, 218, 127



0, 148, 229

Triad

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



25, 218, 127



0, 118, 255



255, 94, 175

Complementary

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



25, 218, 127



127, 25, 218

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, 114, 255



25, 218, 127



0, 111, 255

Square

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



25, 218, 127



0, 121, 255



224, 159, 255



255, 132, 91

Rectangle

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



25, 218, 127



0, 129, 232



224, 159, 255



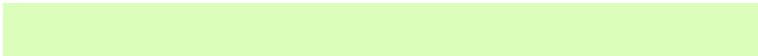
255, 95, 204

Sweetspot

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



25, 218, 127



186, 255, 222



204, 218, 25



87, 128, 109



0, 0, 0



128, 128, 128

Same Dimension

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



25, 218, 127



0, 255, 135



25, 215, 218



99, 110, 105



0, 173, 91



0, 46, 24

Inverse Universe

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



127, 25, 218



135, 0, 255



218, 25, 215



104, 99, 110



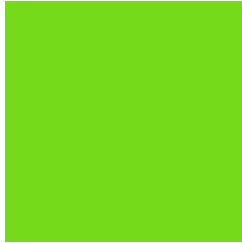
92, 0, 173



24, 0, 46

Previews

White Background



This preview shows how the RYB color 25, 218, 127 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 25, 218, 127 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 25, 218, 127 Background



This preview shows how black text looks on a background with the RYB color 25, 218, 127.

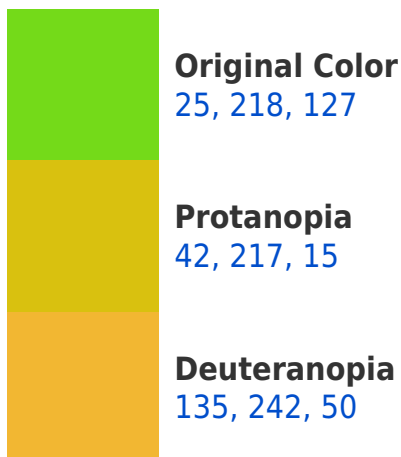


This preview shows how white text looks on a background with the RYB color 25, 218, 127.

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
143, 177, 219

Trichromacy



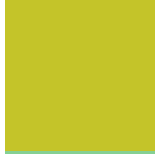
Original Color

25, 218, 127



Protanomaly

19, 202, 41



Deuteranomaly

41, 196, 41



Tritanomaly

133, 196, 208

Monochromacy



Original Color

25, 218, 127



Achromatopsia

166, 166, 166



Achromatomaly

115, 185, 152

CSS Examples

Text

The CSS property to change the color of the text to RYB 25, 218, 127 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(116, 218, 25)` looks like.

```
.text, #text, p{  
    color:rgb(116, 218, 25)  
}
```

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(116, 218, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 218, 25) }
```

Border

The CSS property to change the border of an element to RYB 25, 218, 127 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(116, 218, 25) }
```

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

```
.border{ border-color:rgb(116, 218, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 218, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 218, 25); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 218, 25); box-shadow:4px 4px 4px 4px rgb(116, 218, 25) }
```

Background

The CSS property to change the background color of an element to RGB 25, 218, 127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 218, 25) }
```

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

```
.background{ background-color: rgb(116,  
218, 25) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor