

Converting Colors

`RYB(83, 127, 252)`

Have a look what the booklet for
RYB(83, 127, 252) contains.

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Color

R_YB(83, 127, 252)

Conversions

Conversions Part 1

Format	Color
Hex	538EFC
RGB	83, 142, 252
RGB Percent	33%, 56%, 99%
CMY	0.6745, 0.4412, 0.0118
CMYK	0.67, 0.43, 0.00, 0.01
HSL	219°, 97%, 66%
HSV	219°, 67%, 99%
XYZ	30.8837, 28.3588, 95.9415
YIQ	136.8990, -70.4740, 21.7020

Conversions

Conversions Part 2

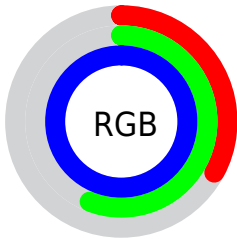
Format	Color
R _Y B	83, 127, 252
Decimal	5476092
CIE Lab	60.21, 15.24, -60.34
CIE LCh	60, 62.237, 284.179
Yxy	28.3588, 0.1990, 0.1827
Android (android.graphics.Color)	4283666172 (0xFF538EFC)
YUV	136.8990, 56.7448, -47.2694
Hunter-Lab	53.2530, 10.3272, -69.5408

Details

The RYB color **83, 127, 252** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **174, 252, 83**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **148, 181, 255**, and **0, 63, 195** is the 20% darker color. If you saturate the color by 10%, you get **58, 108, 252**, and if you desaturate by 10%, it is **108, 146, 252**.

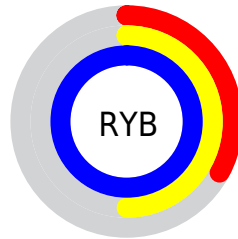
Distribution



Red (33%)

Green (56%)

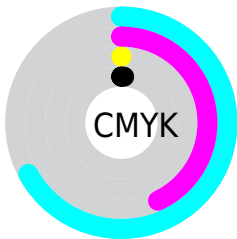
Blue (99%)



Red (33%)

Yellow (50%)

Blue (99%)

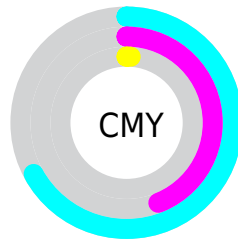


Cyan (67%)

Magenta (43%)

Yellow (0%)

Black (1%)



Cyan (67%)

















Magenta (44%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 127, 252 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 83, 127, 252 by changing the saturation by 10% instead.

 83, 127, 252	 83, 127, 252
 255, 255, 255	 42, 95, 223
 148, 181, 255	 0, 63, 195
 179, 207, 255	 0, 49, 167
 209, 231, 255	 0, 36, 140
 240, 248, 255	 0, 24, 114
	 0, 2, 89
	 0, 6, 64
	 0, 3, 41
	 0, 1, 19

■ 83, 127, 252

■ 83, 127, 252

■ 58, 108, 252

■ 108, 146, 252

■ 33, 90, 252

■ 133, 164, 252

■ 7, 71, 252

■ 159, 183, 252

■ 0, 66, 252

■ 184, 202, 252

■ 209, 220, 252

■ 234, 239, 252

252, 255, 252

Harmonies

Analogous

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



0, 97, 251



83, 127, 252



181, 119, 224

Triad

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



83, 127, 252



231, 121, 71



0, 101, 169

Complementary

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



83, 127, 252



174, 252, 83

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.



61, 163, 139



83, 127, 252



135, 197, 29

Square

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



83, 127, 252



244, 92, 121



20, 151, 23



0, 86, 171

Rectangle

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



83, 127, 252



217, 103, 194



20, 151, 23



0, 107, 168

Sweetspot

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



83, 127, 252



204, 217, 255



83, 186, 252



97, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



83, 127, 252



51, 104, 255



106, 83, 252



112, 116, 125



0, 49, 189



0, 16, 61

Inverse Universe

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



252, 83, 142



255, 51, 123



83, 252, 106



125, 112, 117



189, 0, 66



61, 0, 22

Previews

White Background



This preview shows how the RYB color 83, 127, 252 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 83, 127, 252 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

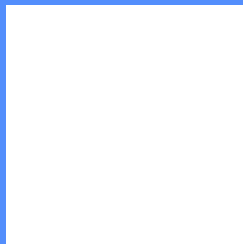
Any Text WCAG AAA × Fail

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

RGB 83, 127, 252 Background



This preview shows how black text looks on a background with the RGB color 83, 127, 252.



This preview shows how white text looks on a background with the RGB color 83, 127, 252.

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
83, 127, 252

Protanopia
95, 130, 250

Deuteranopia
57, 118, 251



Tritanopia
22, 94, 173

Trichromacy



Original Color
83, 127, 252

Protanomaly
91, 130, 251

Deuteranomaly
66, 121, 251

Tritanomaly
44, 109, 202

Monochromacy



Original Color
83, 127, 252

Achromatopsia
137, 137, 137

Achromatomaly
117, 133, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 127, 252 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(83, 142, 252)` looks like.

```
.text, #text, p{  
    color:rgb(83, 142, 252)  
}
```

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(83, 142, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 142, 252) }
```

Border

The CSS property to change the border of an element to RYB 83, 127, 252 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(83, 142, 252) }
```

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

```
.border{ border-color:rgb(83, 142, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 142, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 142, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 142, 252);  
box-shadow:4px 4px 4px 4px rgb(83, 142,  
252) }
```

Background

The CSS property to change the background color of an element to RGB 83, 142, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 142, 252) }
```

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

```
.background{ background-color: rgb(83, 142,  
252) }
```

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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