

Converting Colors

`RYB(71, 146, 254)`

Have a look what the booklet for
RYB(71, 146, 254) contains.

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Color

RYB(71, 146, 254)

Conversions

Conversions Part 1

Format	Color
Hex	47C6FE
RGB	71, 198, 254
RGB Percent	28%, 78%, 100%
CMY	0.7216, 0.2232, 0.0039
CMYK	0.72, 0.22, 0.00, 0.00
HSL	198°, 99%, 64%
HSV	198°, 72%, 100%
XYZ	40.7011, 48.9216, 101.0636
YIQ	166.4110, -93.6680, -9.5080

Conversions

Conversions Part 2

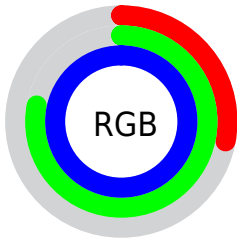
Format	Color
R _{YB}	71, 146, 254
Decimal	4703998
CIE Lab	75.40, -17.11, -37.50
CIE LCh	75, 41.219, 245.481
Yxy	48.9216, 0.2134, 0.2566
Android (android.graphics.Color)	4282894078 (0xFF47C6FE)
YUV	166.4110, 43.1814, -83.6754
Hunter-Lab	69.9440, -18.5312, -36.7086

Details

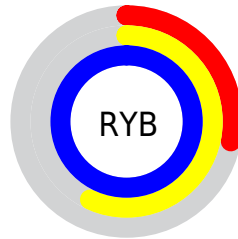
The RYB color **71, 146, 254** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **254, 152, 71**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **140, 198, 255**, and **0, 83, 197** is the 20% darker color. If you saturate the color by 10%, you get **46, 131, 254**, and if you desaturate by 10%, it is **96, 161, 254**.

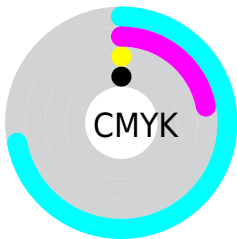
Distribution



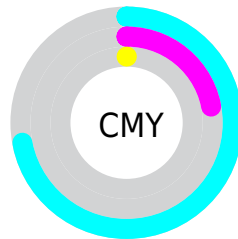
- Red (28%)
- Green (78%)
- Blue (100%)



- Red (28%)
- Yellow (57%)
- Blue (100%)



- Cyan (72%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



















- Cyan (72%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 71, 146, 254 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 71, 146, 254 by changing the saturation by 10% instead.

 71, 146, 254	 71, 146, 254
 255, 255, 255	 11, 103, 225
 140, 198, 255	 0, 83, 197
 172, 214, 255	 0, 70, 170
 203, 229, 255	 0, 57, 143
 235, 245, 255	 0, 44, 117
	 0, 32, 92
	 0, 20, 68
	 0, 3, 46
	 0, 1, 24

■ 71, 146, 254

■ 71, 146, 254

■ 46, 131, 254

■ 96, 161, 254

■ 20, 116, 254

■ 122, 176, 254

■ 0, 104, 254

■ 147, 191, 254

■ 173, 206, 254

■ 198, 221, 254

■ 223, 236, 254

■ 249, 251, 254

254, 255, 254

Harmonies

Analogous

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



0, 108, 229



71, 146, 254



142, 174, 255

Triad

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



71, 146, 254



255, 156, 180



122, 196, 155

Complementary

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



71, 146, 254



254, 152, 71

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.



131, 204, 109



71, 146, 254



255, 164, 144

Square

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



71, 146, 254



239, 161, 218



236, 223, 117



116, 177, 203

Rectangle

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



71, 146, 254



182, 178, 254



236, 223, 117



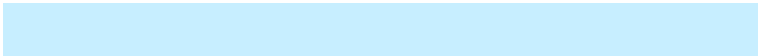
116, 193, 132

Sweetspot

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



71, 146, 254



199, 222, 255



71, 212, 254



94, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



71, 146, 254



36, 126, 255



71, 102, 254



115, 120, 128



0, 78, 191



0, 26, 64

Inverse Universe

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



254, 71, 198



255, 36, 188



117, 254, 71



128, 115, 124



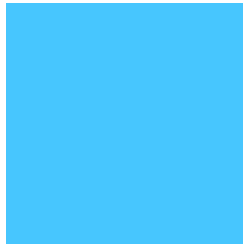
191, 0, 133



64, 0, 44

Previews

White Background



This preview shows how the RYB color 71, 146, 254 looks on a white background.

Color Contrast Check

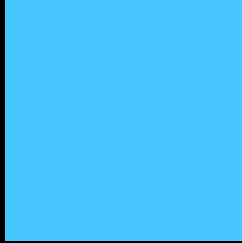
Large Text (above 18pt) WCAG AA × Fail

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 71, 146, 254 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

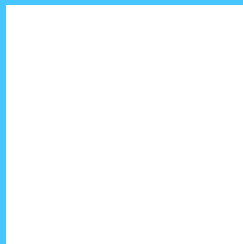
Any Text WCAG AAA ✓ Pass

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

RYB 71, 146, 254 Background



This preview shows how black text looks on a background with the RYB color 71, 146, 254.

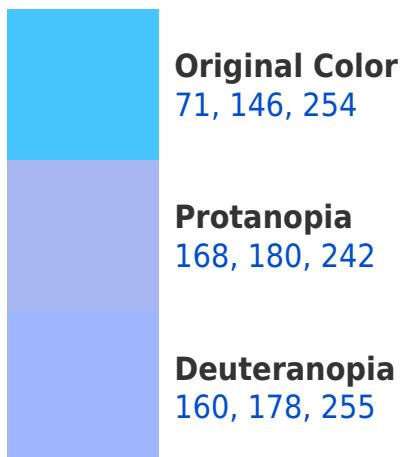


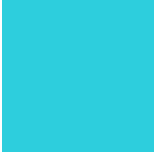
This preview shows how white text looks on a background with the RYB color 71, 146, 254.

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
45, 129, 221

Trichromacy



Original Color

71, 146, 254



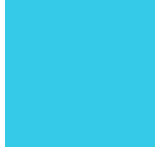
Protanomaly

133, 170, 246



Deuteranomaly

128, 169, 255



Tritanomaly

54, 135, 233

Monochromacy



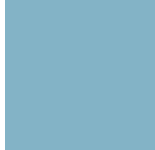
Original Color

71, 146, 254



Achromatopsia

166, 166, 166



Achromatomaly

131, 159, 198

CSS Examples

Text

The CSS property to change the color of the text to RYB 71, 146, 254 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(71, 198, 254)` looks like.

```
.text, #text, p{  
    color:rgb(71, 198, 254)  
}
```

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(71, 198, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 198, 254) }
```

Border

The CSS property to change the border of an element to RYB 71, 146, 254 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(71, 198, 254) }
```

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

```
.border{ border-color:rgb(71, 198, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 198, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 198, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 198, 254);  
box-shadow:4px 4px 4px 4px rgb(71, 198,  
254) }
```

Background

The CSS property to change the background color of an element to RGB 71, 146, 254 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 198, 254) }
```

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

```
.background{ background-color: rgb(71, 198,  
254) }
```

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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