

Converting Colors

`RYB(76, 217, 255)`

Have a look what the booklet for
RYB(76, 217, 255) contains.

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Color

R_YB(76, 217, 255)

Conversions

Conversions Part 1

Format	Color
Hex	4CFF7C
RGB	76, 255, 124
RGB Percent	30%, 100%, 49%
CMY	0.7020, 0.0000, 0.5128
CMYK	0.70, 0.00, 0.51, 0.00
HSL	136°, 100%, 65%
HSV	136°, 70%, 100%
XYZ	42.3939, 74.5178, 31.2978
YIQ	186.5450, -64.6330, -78.6890

Conversions

Conversions Part 2

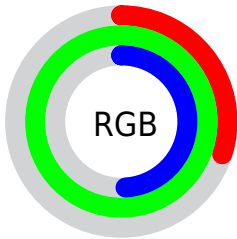
Format	Color
RYB	76, 217, 255
Decimal	5046140
CIELab	89.17, -71.28, 49.33
CIELCh	89, 86.685, 145.315
Yxy	74.5178, 0.2860, 0.5028
Android (android.graphics.Color)	4283236220 (0xFF4CFF7C)
YUV	186.5450, -30.8347, -96.9480
Hunter-Lab	86.3237, -63.4046, 38.9302

Details

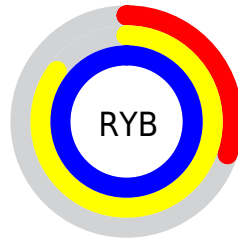
The RYB color **76, 217, 255** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed spring green. A complement of this color would be **255, 76, 207**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **145, 229, 255**, and **0, 145, 197** is the 20% darker color. If you saturate the color by 10%, you get **51, 212, 255**, and if you desaturate by 10%, it is **102, 223, 255**.

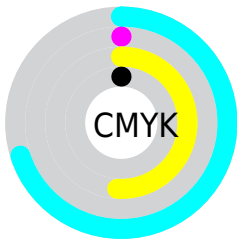
Distribution



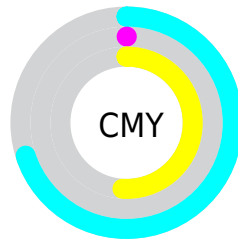
- Red (30%)
- Green (100%)
- Blue (49%)



- Red (30%)
- Yellow (85%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)













- Cyan (70%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the RYB color 76, 217, 255 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 76, 217, 255 by changing the saturation by 10% instead.

 76, 217, 255	 76, 217, 255
 255, 255, 255	 22, 171, 226
 145, 229, 255	 0, 145, 197
 177, 233, 255	 0, 133, 169
 209, 238, 255	 0, 130, 141
 240, 248, 255	 0, 114, 114
	 0, 88, 88
	 0, 63, 63
	 0, 38, 38
	 0, 0, 0

■ 76, 217, 255

■ 76, 217, 255

■ 51, 212, 255

■ 102, 223, 255

■ 25, 206, 255

■ 127, 228, 255

■ 0, 201, 255

■ 153, 234, 255

■ 178, 239, 255

■ 204, 245, 255

■ 229, 249, 255

255, 255, 255

Harmonies

Analogous

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



53, 240, 96



76, 217, 255



0, 140, 255

Triad

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



76, 217, 255



0, 123, 255



255, 151, 158

Complementary

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



76, 217, 255



255, 76, 207

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, 144, 241



76, 217, 255



199, 207, 255

Square

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



76, 217, 255



0, 128, 255



255, 170, 255



215, 255, 86

Rectangle

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



76, 217, 255



0, 128, 255



255, 170, 255



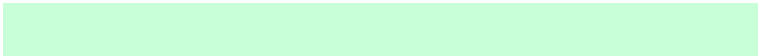
255, 144, 185

Sweetspot

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



76, 217, 255



201, 243, 255



76, 255, 124



96, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



76, 217, 255



41, 209, 255



76, 177, 255



115, 126, 128



0, 150, 191



0, 51, 64

Inverse Universe

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



255, 76, 207



255, 41, 197



255, 76, 118



128, 115, 124



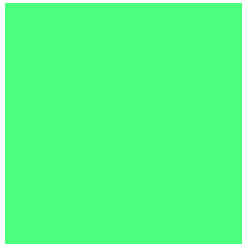
191, 0, 140



64, 0, 47

Previews

White Background



This preview shows how the RYB color 76, 217, 255 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 76, 217, 255 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 76, 217, 255 Background



This preview shows how black text looks on a background with the RYB color 76, 217, 255.

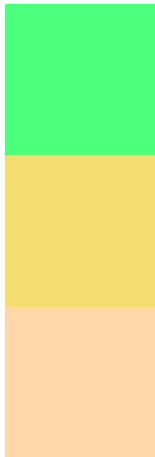


This preview shows how white text looks on a background with the RYB color 76, 217, 255.

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](#).

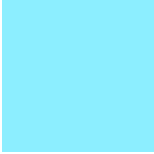
Dichromacy



Original Color
76, 217, 255

Protanopia
141, 245, 113

Deuteranopia
244, 255, 169



Tritanopia
140, 193, 255

Trichromacy



Original Color

76, 217, 255



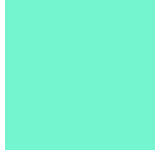
Protanomaly

117, 234, 167



Deuteranomaly

153, 230, 193



Tritanomaly

117, 191, 244

Monochromacy



Original Color

76, 217, 255



Achromatopsia

187, 187, 187



Achromatomaly

147, 199, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 76, 217, 255 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(76, 255, 124)` looks like.

```
.text, #text, p{  
    color:rgb(76, 255, 124)  
}
```

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(76, 255, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 124) }
```

Border

The CSS property to change the border of an element to RYB 76, 217, 255 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(76, 255, 124) }
```

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

```
.border{ border-color:rgb(76, 255, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 255, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 124);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
124) }
```

Background

The CSS property to change the background color of an element to RGB 76, 217, 255 is called "background".

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

```
.background, #background, body{  
background: rgb(76, 255, 124) }
```

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

```
.background{ background-color: rgb(76, 255,  
124) }
```

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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