

Converting Colors

`RYB(70, 140, 255)`

Have a look what the booklet for
RYB(70, 140, 255) contains.

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Color

`RYB(70, 140, 255)`

Conversions

Conversions Part 1

Format	Color
Hex	46B7FF
RGB	70, 183, 255
RGB Percent	27%, 72%, 100%
CMY	0.7255, 0.2839, 0.0000
CMYK	0.73, 0.28, 0.00, 0.00
HSL	203°, 100%, 64%
HSV	203°, 73%, 100%
XYZ	37.4287, 42.2279, 100.7858
YIQ	157.4210, -90.4600, -1.5640

Conversions

Conversions Part 2

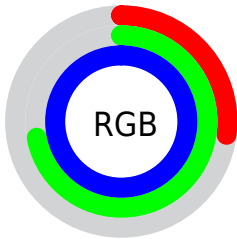
Format	Color
R _Y B	70, 140, 255
Decimal	4634623
CIE Lab	71.03, -8.63, -44.87
CIE LCh	71, 45.689, 259.109
Yxy	42.2279, 0.2074, 0.2340
Android (android.graphics.Color)	4282824703 (0xFF46B7FF)
YUV	157.4210, 48.1064, -76.6682
Hunter-Lab	64.9830, -10.9084, -46.4682

Details

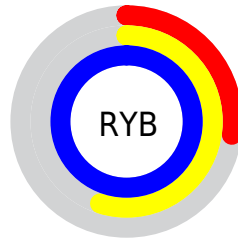
The RYB color **70, 140, 255** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **255, 188, 70**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **139, 193, 255**, and **0, 78, 198** is the 20% darker color. If you saturate the color by 10%, you get **45, 125, 255**, and if you desaturate by 10%, it is **96, 156, 255**.

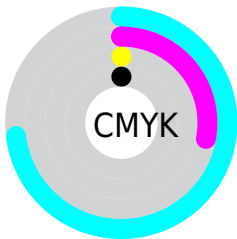
Distribution



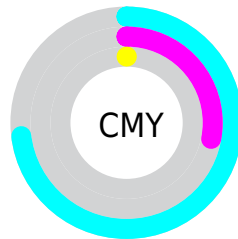
- Red (27%)
- Green (72%)
- Blue (100%)



- Red (27%)
- Yellow (55%)
- Blue (100%)



- Cyan (73%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)




- Cyan (73%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 70, 140, 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 70, 140, 255 by changing the saturation by 10% instead.

 70, 140, 255


255, 255, 255

 139, 192, 255

 171, 213, 255

 202, 229, 255

 233, 244, 255

 70, 140, 255

 9, 97, 226

 0, 78, 198

 0, 65, 170

 0, 52, 144

 0, 39, 118

 0, 26, 92

 0, 12, 68

 0, 3, 45

 0, 1, 24

■ 70, 140, 255

■ 70, 140, 255

■ 45, 125, 255

■ 96, 156, 255

■ 19, 108, 255

■ 121, 172, 255

■ 0, 96, 255

■ 147, 188, 255

■ 172, 204, 255

■ 198, 220, 255

■ 223, 235, 255

■ 249, 251, 255

255, 255, 255

Harmonies

Analogous

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



0, 106, 236



70, 140, 255



154, 167, 252

Triad

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



70, 140, 255



254, 141, 149



118, 189, 182

Complementary

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



70, 140, 255



255, 188, 70

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.



93, 180, 100



70, 140, 255



241, 167, 113

Square

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



70, 140, 255



244, 142, 191



167, 213, 91



61, 139, 195

Rectangle

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



70, 140, 255



194, 158, 239



167, 213, 91



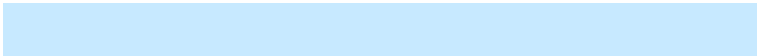
107, 187, 152

Sweetspot

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



70, 140, 255



199, 220, 255



70, 204, 255



94, 107, 128



0, 0, 0



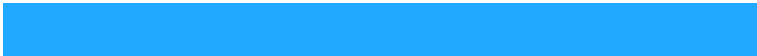
128, 128, 128

Same Dimension

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



70, 140, 255



33, 117, 255



70, 90, 255



115, 120, 128



0, 72, 191



0, 24, 64

Inverse Universe

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



255, 70, 183



255, 33, 168



95, 255, 70



128, 115, 123



191, 0, 116



64, 0, 39

Previews

White Background



This preview shows how the RYB color 70, 140, 255 looks on a white background.

Color Contrast Check

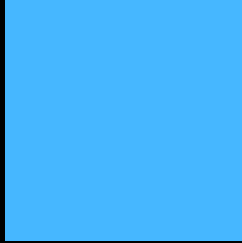
Large Text (above 18pt) WCAG AA × Fail

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 70, 140, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

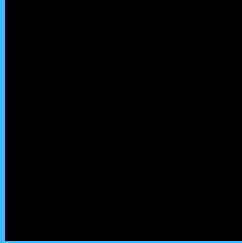
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

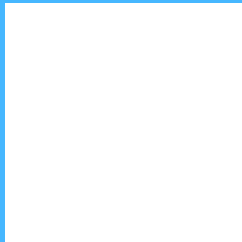
Any Text WCAG AAA ✓ Pass

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

R Y B 70, 140, 255 Background



This preview shows how black text looks on a background with the R Y B color 70, 140, 255.

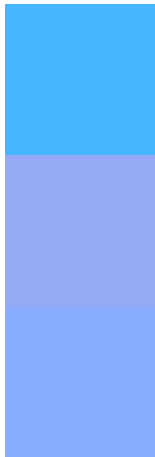


This preview shows how white text looks on a background with the R Y B color 70, 140, 255.

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](#).

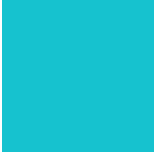
Dichromacy



Original Color
70, 140, 255

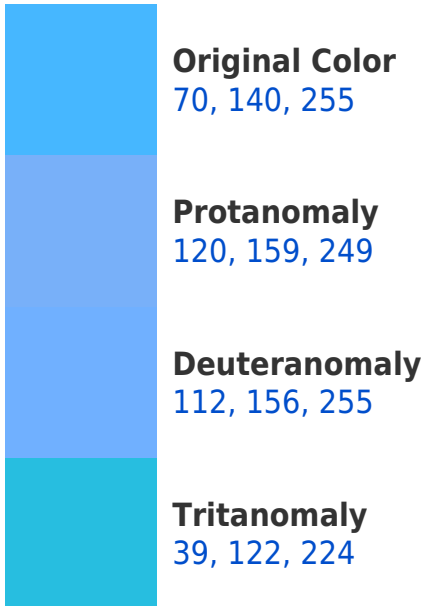
Protanopia
149, 166, 245

Deuteranopia
136, 164, 255

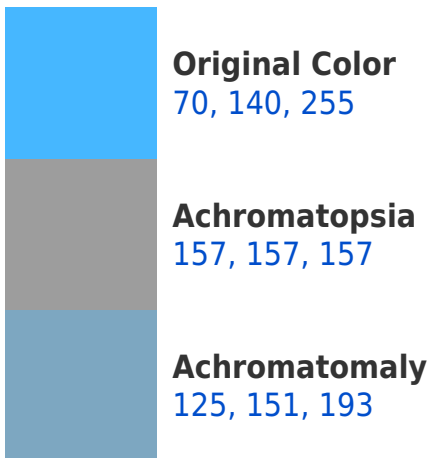


Tritanopia
22, 111, 207

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 70, 140, 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(70, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(70, 183, 255)  
}
```

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(70, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 183, 255) }
```

Border

The CSS property to change the border of an element to RYB 70, 140, 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(70, 183, 255) }
```

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

```
.border{ border-color:rgb(70, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(70, 183,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 70, 183, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 183, 255) }
```

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

```
.background{ background-color: rgb(70, 183,  
255) }
```

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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