

Converting Colors

`RYB(48, 122, 247)`

Have a look what the booklet for
RYB(48, 122, 247) contains.

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Color

`RYB(48, 122, 247)`

Conversions

Conversions Part 1

Format	Color
Hex	30A6F7
RGB	48, 166, 247
RGB Percent	19%, 65%, 97%
CMY	0.8118, 0.3498, 0.0314
CMYK	0.81, 0.33, 0.00, 0.03
HSL	204°, 93%, 58%
HSV	204°, 81%, 97%
XYZ	31.6088, 34.5465, 92.9979
YIQ	139.9520, -96.3290, 0.1750

Conversions

Conversions Part 2

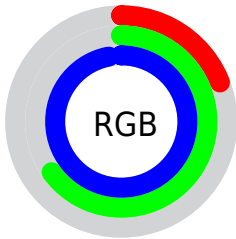
Format	Color
R _{YB}	48, 122, 247
Decimal	3188471
CIE Lab	65.39, -4.42, -49.42
CIE LCh	65, 49.621, 264.885
Yxy	34.5465, 0.1986, 0.2171
Android (android.graphics.Color)	4281378551 (0xFF30A6F7)
YUV	139.9520, 52.7747, -80.6419
Hunter-Lab	58.7762, -6.8644, -52.6674

Details

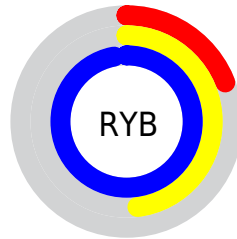
The RYB color **48, 122, 247** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **247, 185, 48**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **125, 180, 255**, and **0, 72, 190** is the 20% darker color. If you saturate the color by 10%, you get **23, 106, 247**, and if you desaturate by 10%, it is **73, 138, 247**.

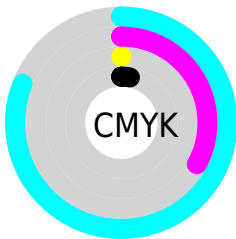
Distribution



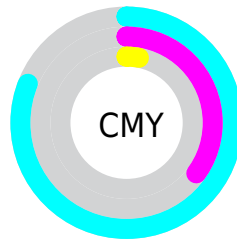
- Red (19%)
- Green (65%)
- Blue (97%)



- Red (19%)
- Yellow (48%)
- Blue (97%)



- Cyan (81%)
- Magenta (33%)
- Yellow (0%)
- Black (3%)




















- Cyan (81%)
- Magenta (35%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 48, 122, 247 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 48, 122, 247 by changing the saturation by 10% instead.

 48, 122, 247	 48, 122, 247
 255, 255, 255	 0, 85, 218
 125, 180, 255	 0, 71, 190
 157, 204, 255	 0, 58, 163
 188, 222, 255	 0, 45, 136
 219, 237, 255	 0, 32, 110
 251, 253, 255	 0, 20, 85
	 0, 5, 61
	 0, 3, 39
	 0, 1, 16

■ 48, 122, 247

■ 48, 122, 247

■ 23, 106, 247

■ 73, 138, 247

■ 0, 92, 247

■ 97, 153, 247

■ 122, 168, 247

■ 147, 184, 247

■ 171, 199, 247

■ 196, 215, 247

■ 221, 231, 247

■ 246, 246, 247

■ 247, 255, 247

Harmonies

Analogous

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



0, 100, 231



48, 122, 247



149, 150, 240

Triad

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



48, 122, 247



241, 124, 124



93, 165, 176

Complementary

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



48, 122, 247



247, 185, 48

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.



74, 167, 93



48, 122, 247



224, 166, 87

Square

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



48, 122, 247



237, 121, 168



120, 191, 67



0, 99, 181

Rectangle

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



48, 122, 247



190, 138, 222



120, 191, 67



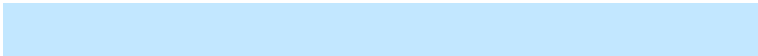
93, 174, 154

Sweetspot

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



48, 122, 247



194, 217, 255



48, 190, 247



91, 104, 128



0, 0, 0



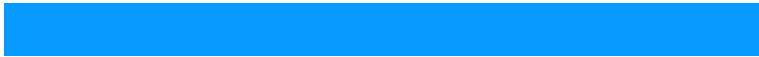
128, 128, 128

Same Dimension

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



48, 122, 247



8, 100, 255



48, 66, 247



110, 114, 122



0, 69, 186



0, 22, 59

Inverse Universe

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



247, 48, 166



255, 8, 154



70, 247, 48



122, 110, 117



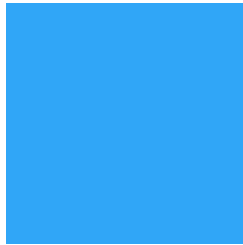
186, 0, 110



59, 0, 35

Previews

White Background



This preview shows how the RYB color 48, 122, 247 looks on a white background.

Color Contrast Check

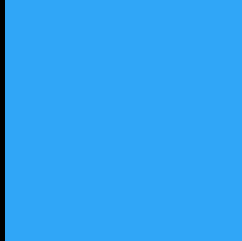
Large Text (above 18pt) WCAG AA × Fail

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 48, 122, 247 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

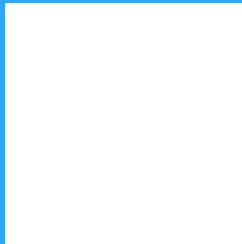
Any Text WCAG AAA ✓ Pass

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

RYB 48, 122, 247 Background



This preview shows how black text looks on a background with the RYB color 48, 122, 247.

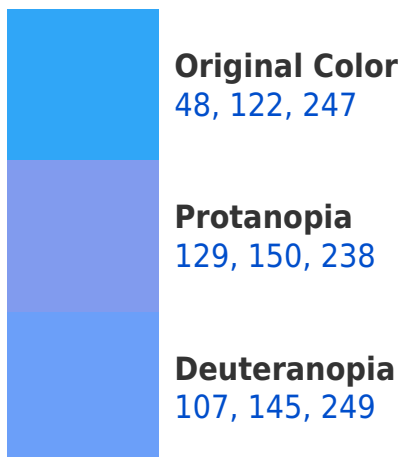


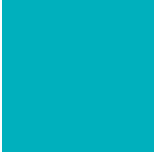
This preview shows how white text looks on a background with the RYB color 48, 122, 247.

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
0, 91, 189

Trichromacy



Original Color
48, 122, 247

Protanomaly
100, 142, 241

Deuteranomaly
86, 137, 248

Tritanomaly
17, 103, 210

Monochromacy



Original Color
48, 122, 247

Achromatopsia
140, 140, 140

Achromatomaly
107, 134, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 48, 122, 247 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(48, 166, 247)` looks like.

```
.text, #text, p{  
    color:rgb(48, 166, 247)  
}
```

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(48, 166, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 166, 247) }
```

Border

The CSS property to change the border of an element to RYB 48, 122, 247 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(48, 166, 247) }
```

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

```
.border{ border-color:rgb(48, 166, 247) }
```

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

Here you see how a box with a 4 pixel rgb(48, 166, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 166, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 166, 247);  
box-shadow:4px 4px 4px 4px rgb(48, 166,  
247) }
```

Background

The CSS property to change the background color of an element to RYB 48, 122, 247 is called "background".

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

```
.background, #background, body{  
background: rgb(48, 166, 247) }
```

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

```
.background{ background-color: rgb(48, 166,  
247) }
```

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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