

Converting Colors

`RYB(47, 120, 226)`

Have a look what the booklet for
RYB(47, 120, 226) contains.

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Color

`RYB(47, 120, 226)`

Conversions

Conversions Part 1

Format	Color
Hex	2FAAE2
RGB	47, 170, 226
RGB Percent	18%, 67%, 89%
CMY	0.8157, 0.3323, 0.1137
CMYK	0.79, 0.25, 0.00, 0.11
HSL	199°, 76%, 54%
HSV	199°, 79%, 89%
XYZ	29.3258, 34.9475, 77.1514
YIQ	139.6070, -91.2840, -8.6600

Conversions

Conversions Part 2

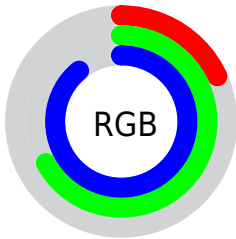
Format	Color
R_{YB}	47, 120, 226
Decimal	3123938
CIE _{Lab}	65.71, -14.33, -37.43
CIE _{LCh}	66, 40.075, 249.055
Yxy	34.9475, 0.2074, 0.2471
Android (android.graphics.Color)	4281314018 (0xFF2FAAE2)
YUV	139.6070, 42.5917, -81.2163
Hunter-Lab	59.1164, -14.9053, -35.9965

Details

The RYB color **47, 120, 226** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **226, 128, 47**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **120, 179, 255**, and **0, 70, 170** is the 20% darker color. If you saturate the color by 10%, you get **24, 106, 226**, and if you desaturate by 10%, it is **70, 133, 226**.

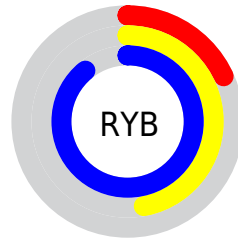
Distribution



Red (18%)

Green (67%)

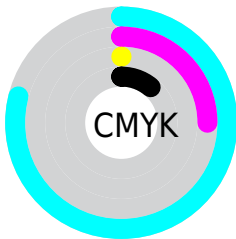
Blue (89%)



Red (18%)

Yellow (47%)

Blue (89%)

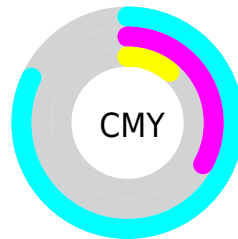


Cyan (79%)

Magenta (25%)

Yellow (0%)

Black (11%)



Cyan (82%)


















Magenta (33%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 47, 120, 226 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 47, 120, 226 by changing the saturation by 10% instead.

 47, 120, 226	 47, 120, 226
 255, 255, 255	 0, 83, 198
 120, 179, 255	 0, 70, 170
 152, 203, 255	 0, 57, 144
 183, 219, 255	 0, 44, 118
 214, 235, 255	 0, 32, 93
 245, 250, 255	 0, 20, 69
	 0, 4, 46
	 0, 1, 25
	 0, 0, 0

■ 47, 120, 226

■ 47, 120, 226

■ 24, 106, 226

■ 70, 133, 226

■ 2, 93, 226

■ 92, 147, 226

■ 0, 92, 226

■ 115, 160, 226

■ 137, 173, 226

■ 160, 187, 226

■ 183, 200, 226

■ 205, 214, 226

■ 228, 228, 226

■ 250, 238, 226

Harmonies

Analogous

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



0, 95, 204



47, 120, 226



123, 150, 230

Triad

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



47, 120, 226



228, 131, 150



102, 171, 140

Complementary

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



47, 120, 226



226, 128, 47

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.



100, 172, 87



47, 120, 226



224, 142, 116

Square

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



47, 120, 226



213, 135, 186



202, 204, 93



86, 146, 177

Rectangle

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



47, 120, 226



161, 151, 222



202, 204, 93



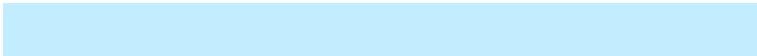
95, 168, 116

Sweetspot

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



47, 120, 226



194, 219, 255



47, 185, 226



91, 106, 128



0, 0, 0



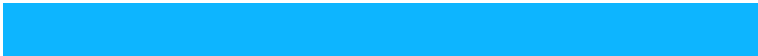
128, 128, 128

Same Dimension

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



47, 120, 226



13, 112, 255



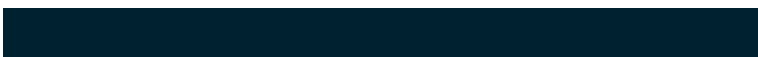
47, 77, 226



101, 106, 112



0, 72, 176



0, 20, 48

Inverse Universe

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



226, 47, 170



255, 13, 180



92, 226, 47



112, 101, 109



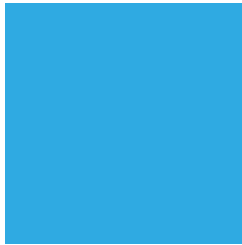
176, 0, 121



48, 0, 33

Previews

White Background



This preview shows how the RYB color 47, 120, 226 looks on a white background.

Color Contrast Check

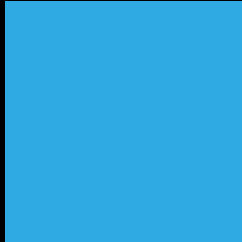
Large Text (above 18pt) WCAG AA × Fail

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 47, 120, 226 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

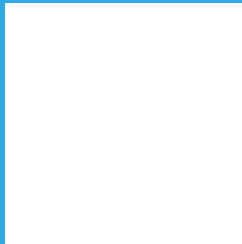
Any Text WCAG AAA ✓ Pass

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

RYB 47, 120, 226 Background



This preview shows how black text looks on a background with the RYB color 47, 120, 226.

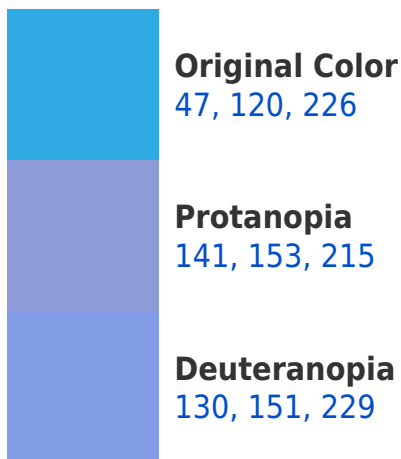


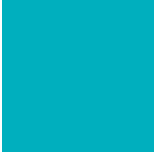
This preview shows how white text looks on a background with the RYB color 47, 120, 226.

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





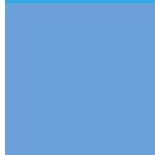
Tritanopia
0, 91, 190

Trichromacy



Original Color

47, 120, 226



Protanomaly

107, 143, 219



Deuteranomaly

100, 142, 228



Tritanomaly

17, 102, 203

Monochromacy



Original Color

47, 120, 226



Achromatopsia

140, 140, 140



Achromatomaly

106, 133, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 47, 120, 226 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(47, 170, 226)` looks like.

```
.text, #text, p{  
    color:rgb(47, 170, 226)  
}
```

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(47, 170, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 170, 226) }
```

Border

The CSS property to change the border of an element to RYB 47, 120, 226 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(47, 170, 226) }
```

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

```
.border{ border-color:rgb(47, 170, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 170, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 170, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 170, 226);  
box-shadow:4px 4px 4px 4px rgb(47, 170,  
226) }
```

Background

The CSS property to change the background color of an element to RYB 47, 120, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 170, 226) }
```

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

```
.background{ background-color: rgb(47, 170,  
226) }
```

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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