

Converting Colors

`RYB(59, 132, 242)`

Have a look what the booklet for RYB(59, 132, 242) contains.

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Color

R_YB(59, 132, 242)

Conversions

Conversions Part 1

Format	Color
Hex	3BB4F2
RGB	59, 180, 242
RGB Percent	23%, 71%, 95%
CMY	0.7686, 0.2924, 0.0510
CMYK	0.76, 0.25, 0.00, 0.05
HSL	200°, 88%, 59%
HSV	200°, 76%, 95%
XYZ	34.2420, 40.1633, 89.9519
YIQ	150.8890, -92.0180, -6.3700

Conversions

Conversions Part 2

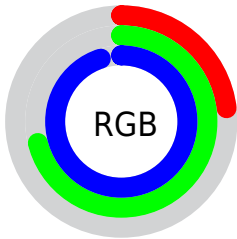
Format	Color
R _Y B	59, 132, 242
Decimal	3912946
CIE Lab	69.59, -13.13, -40.10
CIE LCh	70, 42.196, 251.874
Yxy	40.1633, 0.2083, 0.2444
Android (android.graphics.Color)	4282103026 (0xFF3BB4F2)
YUV	150.8890, 44.9177, -80.5867
Hunter-Lab	63.3745, -14.4598, -39.7924

Details

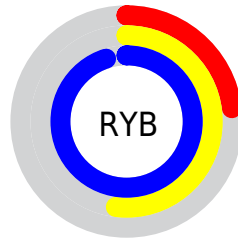
The RYB color **59, 132, 242** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **242, 153, 59**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **130, 187, 255**, and **0, 75, 186** is the 20% darker color. If you saturate the color by 10%, you get **35, 117, 242**, and if you desaturate by 10%, it is **83, 147, 242**.

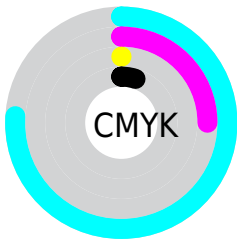
Distribution



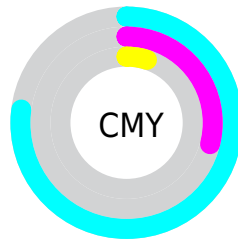
- Red (23%)
- Green (71%)
- Blue (95%)



- Red (23%)
- Yellow (52%)
- Blue (95%)



- Cyan (76%)
- Magenta (25%)
- Yellow (0%)
- Black (5%)



















- Cyan (77%)
- Magenta (29%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 59, 132, 242 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 59, 132, 242 by changing the saturation by 10% instead.

 59, 132, 242	 59, 132, 242
 255, 255, 255	 0, 89, 213
 130, 187, 255	 0, 76, 186
 162, 209, 255	 0, 62, 158
 193, 224, 255	 0, 49, 132
 224, 240, 255	 0, 37, 106
	 0, 25, 82
	 0, 5, 59
	 0, 2, 36
	 0, 0, 12

■ 59, 132, 242

■ 59, 132, 242

■ 35, 117, 242

■ 83, 147, 242

■ 11, 103, 242

■ 107, 161, 242

■ 0, 97, 242

■ 132, 176, 242

■ 156, 190, 242

■ 180, 205, 242

■ 204, 219, 242

■ 228, 233, 242

■ 253, 248, 242

■ 243, 255, 242

Harmonies

Analogous

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



0, 101, 220



59, 132, 242



137, 162, 245

Triad

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



59, 132, 242



244, 139, 156



111, 183, 157

Complementary

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



59, 132, 242



242, 153, 59

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.



99, 179, 93



59, 132, 242



237, 155, 121

Square

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



59, 132, 242



229, 143, 195



197, 214, 97



86, 151, 188

Rectangle

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



59, 132, 242



177, 159, 235



197, 214, 97



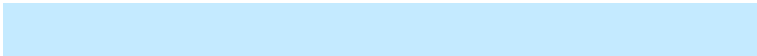
103, 180, 131

Sweetspot

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



59, 132, 242



196, 219, 255



59, 196, 242



92, 106, 128



0, 0, 0



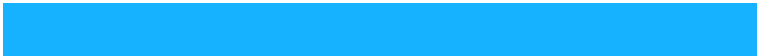
128, 128, 128

Same Dimension

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



59, 132, 242



23, 116, 255



59, 86, 242



108, 113, 120



0, 73, 184



0, 22, 56

Inverse Universe

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



242, 59, 180



255, 23, 177



96, 242, 59



120, 108, 116



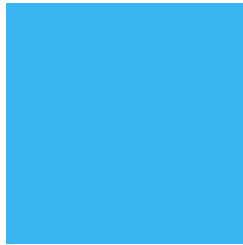
184, 0, 122



56, 0, 37

Previews

White Background



This preview shows how the RYB color 59, 132, 242 looks on a white background.

Color Contrast Check

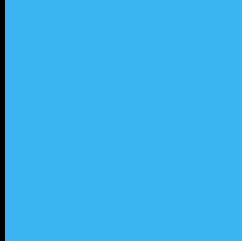
Large Text (above 18pt) WCAG AA × Fail

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 59, 132, 242 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

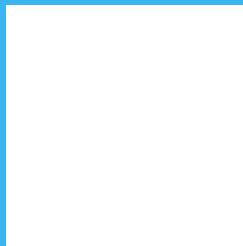
Any Text WCAG AAA ✓ Pass

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

RYB 59, 132, 242 Background



This preview shows how black text looks on a background with the RYB color 59, 132, 242.

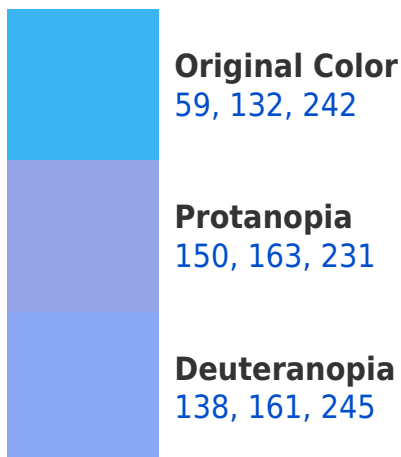


This preview shows how white text looks on a background with the RYB color 59, 132, 242.

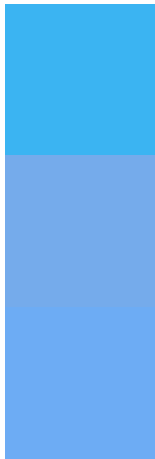
Color Blindness Simulation

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



Trichromacy

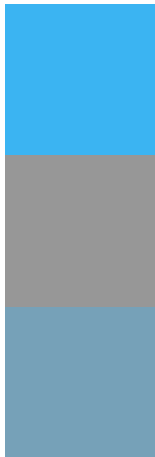


Original Color
59, 132, 242

Protanomaly
117, 154, 235

Deuteranomaly
109, 152, 244

Monochromacy



Original Color
59, 132, 242

Achromatopsia
151, 151, 151

Achromatomaly
118, 144, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 59, 132, 242 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(59, 180, 242)` looks like.

```
.text, #text, p{  
    color:rgb(59, 180, 242)  
}
```

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(59, 180, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 180, 242) }
```

Border

The CSS property to change the border of an element to RYB 59, 132, 242 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(59, 180, 242) }
```

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

```
.border{ border-color:rgb(59, 180, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 180, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 180, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 180, 242);  
box-shadow:4px 4px 4px 4px rgb(59, 180,  
242) }
```

Background

The CSS property to change the background color of an element to RYB 59, 132, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 180, 242) }
```

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

```
.background{ background-color: rgb(59, 180,  
242) }
```

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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