

Converting Colors

`RYB(59, 137, 229)`

Have a look what the booklet for
RYB(59, 137, 229) contains.

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Color

R_YB(59, 137, 229)

Conversions

Conversions Part 1

Format	Color
Hex	3BCBE5
RGB	59, 203, 229
RGB Percent	23%, 80%, 90%
CMY	0.7686, 0.2034, 0.1020
CMYK	0.74, 0.11, 0.00, 0.10
HSL	189°, 77%, 56%
HSV	189°, 74%, 90%
XYZ	37.3332, 49.3605, 81.6886
YIQ	162.9080, -94.1700, -22.4420

Conversions

Conversions Part 2

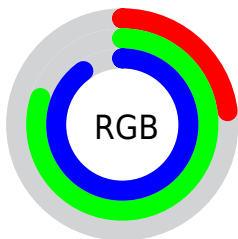
Format	Color
R _{YB}	59, 137, 229
Decimal	3918821
CIE Lab	75.68, -28.98, -23.67
CIE LCh	76, 37.415, 219.247
Yxy	49.3605, 0.2217, 0.2931
Android (android.graphics.Color)	4282108901 (0xFF3BCBE5)
YUV	162.9080, 32.5834, -91.1273
Hunter-Lab	70.2570, -28.0982, -19.7572

Details

The RYB color **59, 137, 229** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **229, 90, 59**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **130, 193, 255**, and **0, 80, 173** is the 20% darker color. If you saturate the color by 10%, you get **36, 125, 229**, and if you desaturate by 10%, it is **82, 150, 229**.

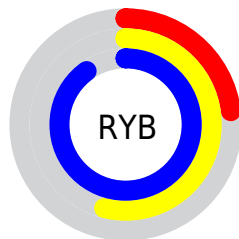
Distribution



Red (23%)

Green (80%)

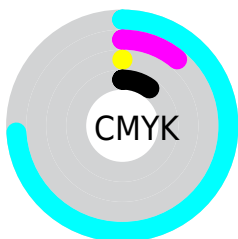
Blue (90%)



Red (23%)

Yellow (54%)

Blue (90%)

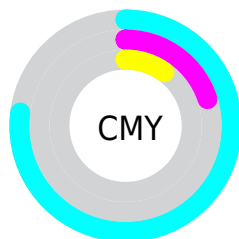


Cyan (74%)

Magenta (11%)

Yellow (0%)

Black (10%)



Cyan (77%)

















Magenta (20%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 59, 137, 229 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, 137, 229 by changing the saturation by 10% instead.

 59, 137, 229	 59, 137, 229
 255, 255, 255	 0, 94, 201
 130, 193, 255	 0, 80, 173
 162, 209, 255	 0, 67, 147
 193, 224, 255	 0, 54, 121
 224, 240, 255	 0, 41, 96
	 0, 30, 72
	 0, 19, 50
	 0, 2, 29
	 0, 0, 0

■ 59, 137, 229

■ 59, 137, 229

■ 36, 125, 229

■ 82, 150, 229

■ 13, 112, 229

■ 105, 162, 229

■ 0, 105, 229

■ 128, 174, 229

■ 151, 187, 229

■ 173, 199, 229

■ 196, 211, 229

■ 219, 224, 229

■ 242, 231, 229

■ 255, 235, 229

Harmonies

Analogous

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



77, 143, 205



59, 137, 229



99, 158, 250

Triad

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



59, 137, 229



239, 163, 212



131, 199, 118

Complementary

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



59, 137, 229



229, 90, 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.



230, 230, 122



59, 137, 229



254, 160, 177

Square

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



59, 137, 229



205, 174, 240



250, 170, 144



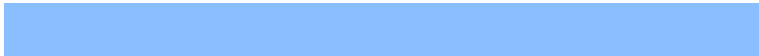
132, 197, 168

Rectangle

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



59, 137, 229



137, 174, 255



250, 170, 144



155, 211, 117

Sweetspot

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



59, 137, 229



199, 225, 255



59, 207, 229



94, 109, 128



0, 0, 0



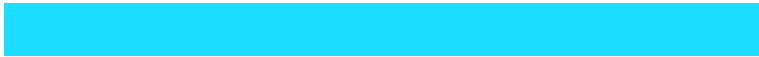
128, 128, 128

Same Dimension

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



59, 137, 229



28, 132, 255



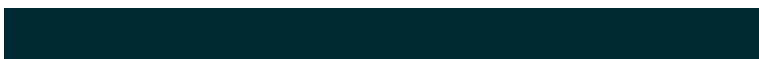
59, 103, 229



103, 108, 115



0, 82, 179



0, 23, 51

Inverse Universe

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



229, 59, 203



255, 28, 220



149, 229, 59



115, 103, 113



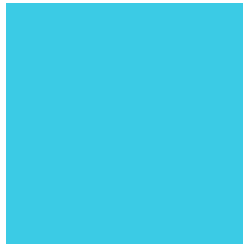
179, 0, 151



51, 0, 43

Previews

White Background



This preview shows how the RYB color 59, 137, 229 looks on a white background.

Color Contrast Check

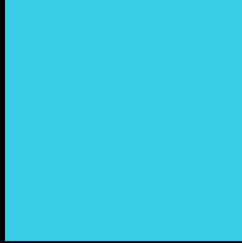
Large Text (above 18pt) WCAG AA × Fail

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, 137, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

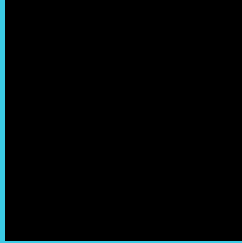
Any Text WCAG AA ✓ Pass

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 59, 137, 229 Background



This preview shows how black text looks on a background with the R Y B color 59, 137, 229.



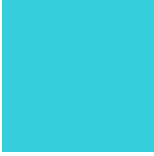
This preview shows how white text looks on a background with the R Y B color 59, 137, 229.

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
53, 133, 221

Trichromacy



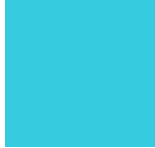
Original Color
59, 137, 229



Protanomaly
135, 169, 221



Deuteranomaly
135, 170, 232



Tritanomaly
55, 134, 224

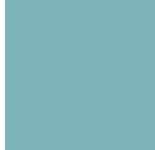
Monochromacy



Original Color
59, 137, 229



Achromatopsia
163, 163, 163



Achromatomaly
125, 154, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 59, 137, 229 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, 203, 229)` looks like.

```
.text, #text, p{  
    color:rgb(59, 203, 229)  
}
```

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, 203, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 203, 229) }
```

Border

The CSS property to change the border of an element to RYB 59, 137, 229 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, 203, 229) }
```

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

```
.border{ border-color:rgb(59, 203, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 203, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 203, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 203, 229);  
box-shadow:4px 4px 4px 4px rgb(59, 203,  
229) }
```

Background

The CSS property to change the background color of an element to RGB 59, 137, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 203, 229) }
```

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

```
.background{ background-color: rgb(59, 203,  
229) }
```

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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