

Converting Colors

`RYB(55, 140, 251)`

Have a look what the booklet for
RYB(55, 140, 251) contains.

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Color

`RYB(55, 140, 251)`

Conversions

Conversions Part 1

Format	Color
Hex	37CDFB
RGB	55, 205, 251
RGB Percent	22%, 80%, 98%
CMY	0.7843, 0.1957, 0.0157
CMYK	0.78, 0.18, 0.00, 0.02
HSL	194°, 96%, 60%
HSV	194°, 78%, 98%
XYZ	40.8410, 51.4830, 99.0515
YIQ	165.3940, -104.1660, -17.4940

Conversions

Conversions Part 2

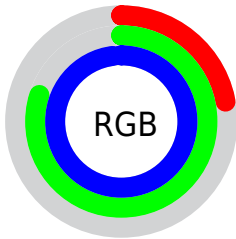
Format	Color
R _Y B	55, 140, 251
Decimal	3657211
CIE Lab	76.97, -23.43, -33.50
CIE LCh	77, 40.879, 235.023
Yxy	51.4830, 0.2134, 0.2690
Android (android.graphics.Color)	4281847291 (0xFF37CDFB)
YUV	165.3940, 42.2038, -96.8155
Hunter-Lab	71.7517, -23.9633, -31.6223

Details

The RYB color **55, 140, 251** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **251, 115, 55**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **131, 193, 255**, and **0, 85, 194** is the 20% darker color. If you saturate the color by 10%, you get **30, 126, 251**, and if you desaturate by 10%, it is **80, 154, 251**.

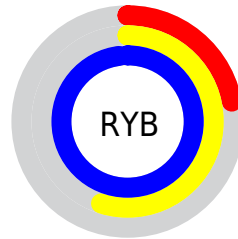
Distribution



Red (22%)

Green (80%)

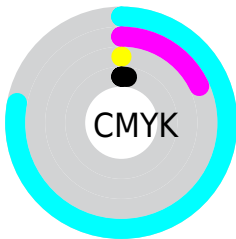
Blue (98%)



Red (22%)

Yellow (55%)

Blue (98%)

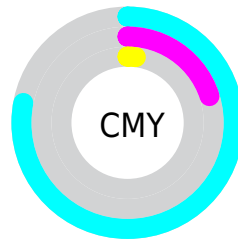


Cyan (78%)

Magenta (18%)

Yellow (0%)

Black (2%)



Cyan (78%)


Magenta (20%)


Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 55, 140, 251 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 55, 140, 251 by changing the saturation by 10% instead.

 55, 140, 251

 55, 140, 251

255, 255, 255

 0, 99, 222

 131, 193, 255

 0, 85, 194

 163, 209, 255

 0, 71, 167

 195, 225, 255

 0, 58, 140

 227, 241, 255

 0, 45, 115

 0, 33, 90

 0, 22, 66

 0, 3, 44

 0, 1, 22

■ 55, 140, 251

■ 55, 140, 251

■ 30, 126, 251

■ 80, 154, 251

■ 5, 112, 251

■ 105, 168, 251

■ 0, 109, 251

■ 130, 183, 251

■ 155, 197, 251

■ 181, 211, 251

■ 206, 225, 251

■ 231, 240, 251

■ 255, 252, 251

■ 251, 255, 251

Harmonies

Analogous

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



31, 123, 221



55, 140, 251



124, 170, 255

Triad

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



55, 140, 251



255, 161, 198



120, 197, 134

Complementary

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



55, 140, 251



251, 115, 55

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.



166, 221, 114



55, 140, 251



255, 163, 160

Square

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



55, 140, 251



232, 169, 234



249, 196, 129



138, 200, 206

Rectangle

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



55, 140, 251



166, 183, 255



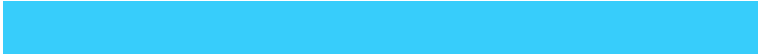
249, 196, 129



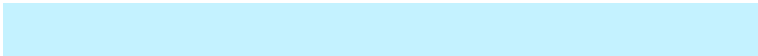
118, 196, 116

Sweetspot

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



55, 140, 251



196, 222, 255



55, 214, 251



92, 107, 128



0, 0, 0



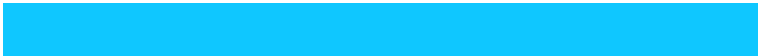
128, 128, 128

Same Dimension

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



55, 140, 251



15, 119, 255



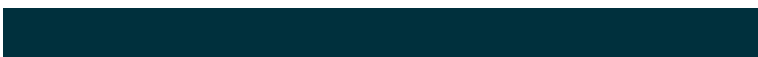
55, 96, 251



112, 118, 125



0, 82, 189



0, 27, 61

Inverse Universe

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



251, 55, 205



255, 15, 199



126, 251, 55



125, 112, 122



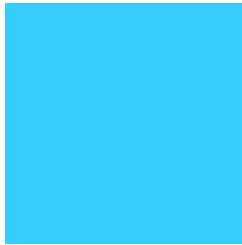
189, 0, 144



61, 0, 47

Previews

White Background



This preview shows how the RYB color 55, 140, 251 looks on a white background.

Color Contrast Check

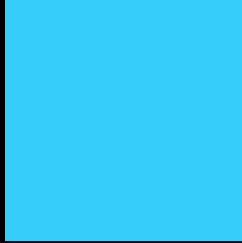
Large Text (above 18pt) WCAG AA × Fail

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 55, 140, 251 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

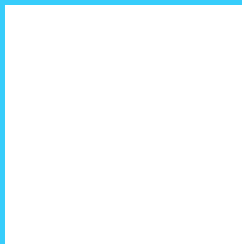
Any Text WCAG AAA ✓ Pass

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

RYP 55, 140, 251 Background



This preview shows how black text looks on a background with the RYP color 55, 140, 251.

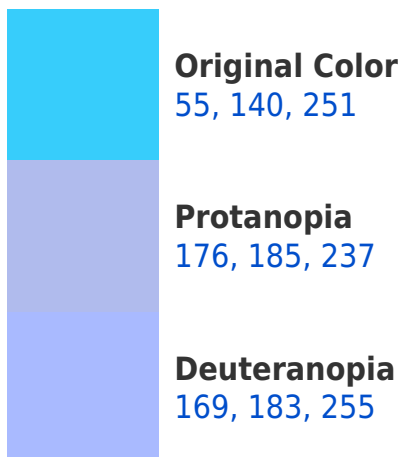


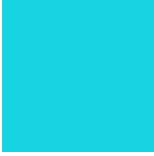
This preview shows how white text looks on a background with the RYP color 55, 140, 251.

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
24, 121, 226

Trichromacy



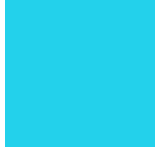
Original Color
55, 140, 251



Protanomaly
132, 171, 242



Deuteranomaly
128, 171, 254



Tritanomaly
35, 128, 235

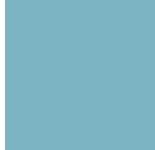
Monochromacy



Original Color
55, 140, 251



Achromatopsia
165, 165, 165



Achromatomaly
125, 156, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 55, 140, 251 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(55, 205, 251)` looks like.

```
.text, #text, p{  
    color:rgb(55, 205, 251)  
}
```

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(55, 205, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 205, 251) }
```

Border

The CSS property to change the border of an element to RYB 55, 140, 251 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(55, 205, 251) }
```

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

```
.border{ border-color:rgb(55, 205, 251) }
```

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

Here you see how a box with a 4 pixel rgb(55, 205, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 205, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 205, 251);  
box-shadow:4px 4px 4px 4px rgb(55, 205,  
251) }
```

Background

The CSS property to change the background color of an element to RYB 55, 140, 251 is called "background".

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

```
.background, #background, body{  
background: rgb(55, 205, 251) }
```

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

```
.background{ background-color: rgb(55, 205,  
251) }
```

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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