

Converting Colors

`RYB(77, 155, 255)`

Have a look what the booklet for
RYB(77, 155, 255) contains.

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Color

R_YB(77, 155, 255)

Conversions

Conversions Part 1

Format	Color
Hex	4DD8FF
RGB	77, 216, 255
RGB Percent	30%, 85%, 100%
CMY	0.6980, 0.1536, 0.0000
CMYK	0.70, 0.15, 0.00, 0.00
HSL	193°, 100%, 65%
HSV	193°, 70%, 100%
XYZ	45.6255, 57.8276, 103.3649
YIQ	178.8850, -95.3630, -17.3390

Conversions

Conversions Part 2

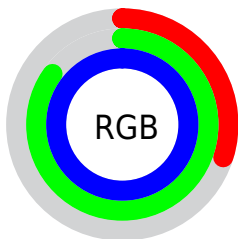
Format	Color
RYB	77, 155, 255
Decimal	5101823
CIELab	80.64, -25.07, -29.94
CIELCh	81, 39.047, 230.058
Yxy	57.8276, 0.2206, 0.2796
Android (android.graphics.Color)	4283291903 (0xFF4DD8FF)
YUV	178.8850, 37.5247, -89.3531
Hunter-Lab	76.0444, -25.9806, -27.3600

Details

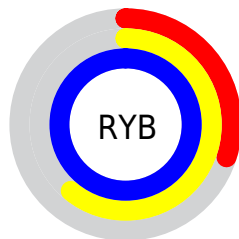
The RYB color **77, 155, 255** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **255, 127, 77**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **146, 201, 255**, and **0, 89, 198** is the 20% darker color. If you saturate the color by 10%, you get **52, 141, 255**, and if you desaturate by 10%, it is **103, 169, 255**.

Distribution



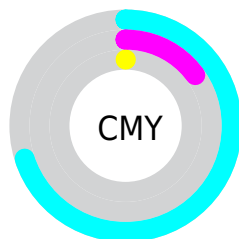
- Red (30%)
- Green (85%)
- Blue (100%)



- Red (30%)
- Yellow (61%)
- Blue (100%)



- Cyan (70%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the RYB color 77, 155, 255 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 77, 155, 255 by changing the saturation by 10% instead.

 77, 155, 255

 77, 155, 255

255, 255, 255

 26, 116, 226

 146, 201, 255

 0, 89, 198

 177, 216, 255

 0, 75, 171

 209, 232, 255

 0, 62, 144

 240, 248, 255

 0, 49, 118

 0, 37, 94

 0, 25, 70

 0, 7, 47

 0, 1, 26

■ 77, 155, 255

■ 77, 155, 255

■ 52, 141, 255

■ 103, 169, 255

■ 26, 126, 255

■ 128, 184, 255

■ 1, 112, 255

■ 154, 198, 255

■ 0, 112, 255

■ 179, 212, 255

■ 205, 227, 255

■ 230, 241, 255

255, 255, 255

Harmonies

Analogous

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



73, 147, 224



77, 155, 255



130, 178, 255

Triad

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



77, 155, 255



255, 173, 214



131, 206, 137

Complementary

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



77, 155, 255



255, 127, 77

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.



197, 236, 128



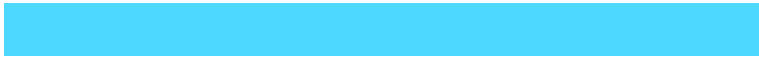
77, 155, 255



255, 173, 177

Square

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



77, 155, 255



234, 182, 247



255, 198, 146



152, 214, 208

Rectangle

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



77, 155, 255



169, 191, 255



255, 198, 146



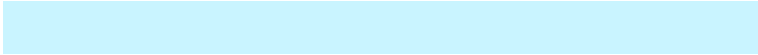
141, 213, 128

Sweetspot

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



77, 155, 255



201, 225, 255



77, 223, 255



96, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



77, 155, 255



41, 135, 255



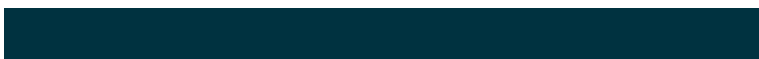
77, 116, 255



115, 121, 128



0, 84, 191



0, 28, 64

Inverse Universe

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



255, 77, 216



255, 41, 208



147, 255, 77



128, 115, 125



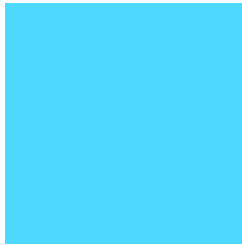
191, 0, 149



64, 0, 50

Previews

White Background



This preview shows how the RYB color 77, 155, 255 looks on a white background.

Color Contrast Check

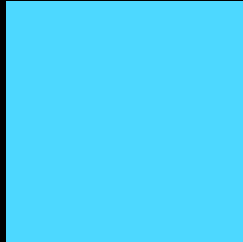
Large Text (above 18pt) WCAG AA × Fail

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 77, 155, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

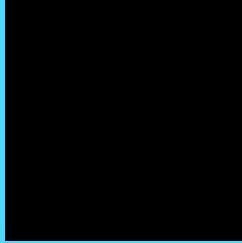
Any Text WCAG AA ✓ Pass

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 77, 155, 255 Background



This preview shows how black text looks on a background with the RYB color 77, 155, 255.



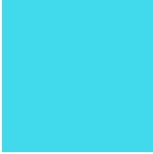
This preview shows how white text looks on a background with the RYB color 77, 155, 255.

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
65, 146, 237

Trichromacy



Original Color

77, 155, 255



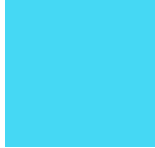
Protanomaly

148, 184, 247



Deuteranomaly

146, 183, 255



Tritanomaly

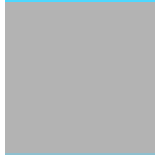
69, 149, 244

Monochromacy



Original Color

77, 155, 255



Achromatopsia

179, 179, 179



Achromatomaly

142, 170, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 77, 155, 255 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(77, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 216, 255)  
}
```

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(77, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 216, 255) }
```

Border

The CSS property to change the border of an element to RYB 77, 155, 255 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(77, 216, 255) }
```

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

```
.border{ border-color:rgb(77, 216, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 216,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 77, 155, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 216, 255) }
```

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

```
.background{ background-color: rgb(77, 216,  
255) }
```

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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