

Converting Colors

`RYB(44, 149, 255)`

Have a look what the booklet for
RYB(44, 149, 255) contains.

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Color

RYB(44, 149, 255)

Conversions

Conversions Part 1

Format	Color
Hex	2CFDFF
RGB	44, 253, 255
RGB Percent	17%, 99%, 100%
CMY	0.8275, 0.0078, 0.0000
CMYK	0.83, 0.01, 0.00, 0.00
HSL	181°, 100%, 59%
HSV	181°, 83%, 100%
XYZ	54.2170, 78.0120, 106.8080
YIQ	190.7370, -125.2060, -43.6860

Conversions

Conversions Part 2

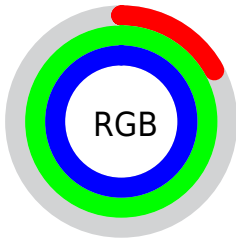
Format	Color
RYB	44, 149, 255
Decimal	2948607
CIELab	90.79, -45.61, -14.61
CIELCh	91, 47.894, 197.759
Yxy	78.0120, 0.2268, 0.3264
Android (android.graphics.Color)	4281138687 (0xFF2CFDFF)
YUV	190.7370, 31.6817, -128.6883
Hunter-Lab	88.3244, -44.9974, -9.8705

Details

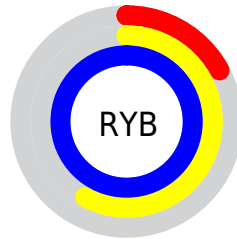
The RYB color **44, 149, 255** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **255, 46, 44**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **131, 193, 255**, and **0, 98, 198** is the 20% darker color. If you saturate the color by 10%, you get **19, 136, 255**, and if you desaturate by 10%, it is **70, 162, 255**.

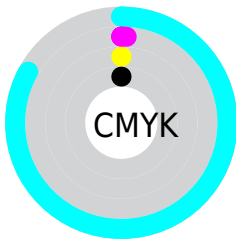
Distribution



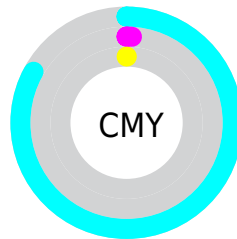
- Red (17%)
- Green (99%)
- Blue (100%)



- Red (17%)
- Yellow (58%)
- Blue (100%)



- Cyan (83%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




















- Cyan (83%)
- Magenta (1%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the RYB color 44, 149, 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 44, 149, 255 by changing the saturation by 10% instead.

 44, 149, 255	 44, 149, 255
 255, 255, 255	 0, 112, 226
 131, 193, 255	 0, 98, 198
 166, 211, 255	 0, 85, 171
 199, 227, 255	 0, 71, 145
 231, 243, 255	 0, 58, 119
	 0, 46, 94
	 0, 34, 71
	 0, 23, 48
	 0, 6, 28


 44, 149, 255


 44, 149, 255

 19, 136, 255

 70, 162, 255

 0, 127, 255

 95, 174, 255

 121, 188, 255

 146, 200, 255

 172, 213, 255

 197, 226, 255

 223, 239, 255

 248, 252, 255

255, 255, 255

Harmonies

Analogous

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



119, 199, 252



44, 149, 255



33, 142, 255

Triad

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



44, 149, 255



255, 207, 255



191, 255, 139

Complementary

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



44, 149, 255



255, 46, 44

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.



255, 237, 163



44, 149, 255



255, 195, 249

Square

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



44, 149, 255



206, 219, 255



255, 194, 203



140, 234, 143

Rectangle

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



44, 149, 255



98, 173, 255



255, 194, 203



209, 255, 144

Sweetspot

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



44, 149, 255



191, 223, 255



44, 255, 255



89, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



44, 149, 255



3, 128, 255



44, 115, 255



115, 121, 128



0, 95, 191



0, 32, 64

Inverse Universe

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



255, 44, 253



255, 3, 253



253, 255, 44



128, 115, 127



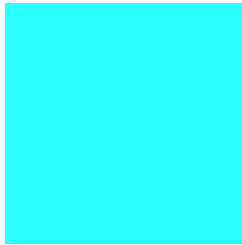
191, 0, 189



64, 0, 63

Previews

White Background



This preview shows how the RYB color 44, 149, 255 looks on a white background.

Color Contrast Check

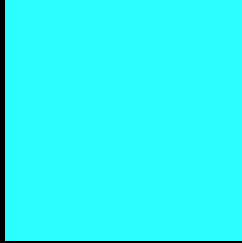
Large Text (above 18pt) WCAG AA × Fail

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 44, 149, 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 44, 149, 255 Background



This preview shows how black text looks on a background with the RYB color 44, 149, 255.

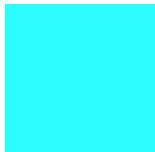


This preview shows how white text looks on a background with the RYB color 44, 149, 255.

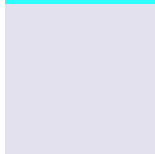
Color Blindness Simulation

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



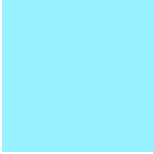
Original Color
44, 149, 255



Protanopia
227, 225, 238



Deuteranopia
230, 222, 255



Tritanopia
152, 200, 255

Trichromacy



Original Color

44, 149, 255



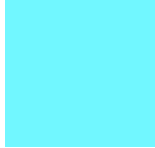
Protanomaly

160, 200, 244



Deuteranomaly

162, 202, 255



Tritanomaly

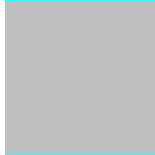
113, 182, 255

Monochromacy



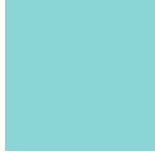
Original Color

44, 149, 255



Achromatopsia

191, 191, 191



Achromatomaly

138, 176, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 44, 149, 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(44, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(44, 253, 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(44, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 253, 255) }
```

Border

The CSS property to change the border of an element to RYB 44, 149, 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(44, 253, 255) }
```

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

```
.border{ border-color:rgb(44, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(44, 253,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 44, 149, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 253, 255) }
```

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

```
.background{ background-color: rgb(44, 253,  
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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