

Converting Colors

`RYB(45, 127, 234)`

Have a look what the booklet for
RYB(45, 127, 234) contains.

RYB(45, 127, 234)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(45, 127, 234)

Conversions

Conversions Part 1

Format	Color
Hex	2DBEEA
RGB	45, 190, 234
RGB Percent	18%, 75%, 92%
CMY	0.8235, 0.2555, 0.0824
CMYK	0.81, 0.19, 0.00, 0.08
HSL	194°, 82%, 55%
HSV	194°, 81%, 92%
XYZ	34.3125, 43.2565, 84.3828
YIQ	151.6610, -100.5440, -17.0560

Conversions

Conversions Part 2

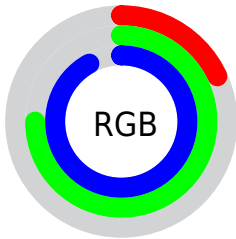
Format	Color
R _{YB}	45, 127, 234
Decimal	2997994
CIE _{Lab}	71.73, -22.12, -32.45
CIE _{LCh}	72, 39.274, 235.719
Yxy	43.2565, 0.2119, 0.2671
Android (android.graphics.Color)	4281188074 (0xFF2DBEEA)
YUV	151.6610, 40.5931, -93.5417
Hunter-Lab	65.7697, -21.9722, -30.0305

Details

The RYB color **45, 127, 234** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **234, 102, 45**, and the grayscale version is **151, 151, 151**.

A 20% lighter version of the original color is **122, 186, 255**, and **0, 77, 178** is the 20% darker color. If you saturate the color by 10%, you get **22, 114, 234**, and if you desaturate by 10%, it is **68, 140, 234**.

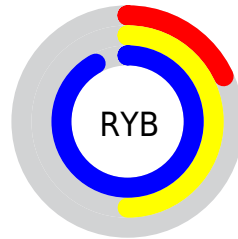
Distribution



Red (18%)

Green (75%)

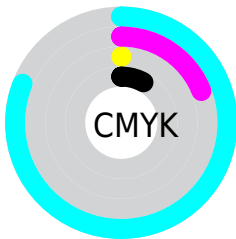
Blue (92%)



Red (18%)

Yellow (50%)

Blue (92%)

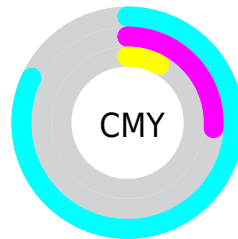


Cyan (81%)

Magenta (19%)

Yellow (0%)

Black (8%)



Cyan (82%)


















Magenta (26%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 45, 127, 234 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 45, 127, 234 by changing the saturation by 10% instead.

 45, 127, 234	 45, 127, 234
 255, 255, 255	 0, 91, 206
 122, 186, 255	 0, 77, 178
 154, 205, 255	 0, 64, 151
 186, 221, 255	 0, 51, 125
 217, 236, 255	 0, 39, 100
 248, 252, 255	 0, 27, 76
	 0, 12, 53
	 0, 2, 31
	 0, 0, 2

■ 45, 127, 234

■ 45, 127, 234

■ 22, 114, 234

■ 68, 140, 234

■ 0, 101, 234

■ 92, 154, 234

■ 115, 167, 234

■ 139, 180, 234

■ 162, 193, 234

■ 185, 206, 234

■ 209, 220, 234

■ 232, 233, 234

■ 255, 241, 234

Harmonies

Analogous

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



12, 106, 206



45, 127, 234



114, 159, 247

Triad

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



45, 127, 234



241, 148, 182



110, 183, 125

Complementary

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



45, 127, 234



234, 102, 45

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.



151, 204, 104



45, 127, 234



245, 150, 146

Square

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



45, 127, 234



216, 156, 217



231, 182, 118



125, 183, 191

Rectangle

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



45, 127, 234



154, 170, 244



231, 182, 118



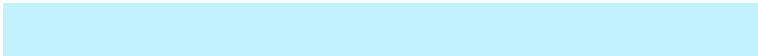
106, 180, 106

Sweetspot

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



45, 127, 234



194, 221, 255



45, 198, 234



91, 107, 128



0, 0, 0



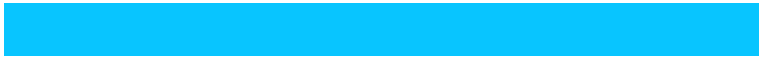
128, 128, 128

Same Dimension

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



45, 127, 234



8, 115, 255



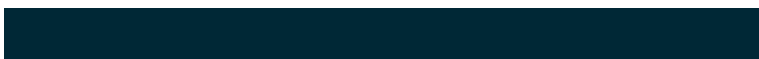
45, 85, 234



106, 111, 117



0, 79, 181



0, 23, 54

Inverse Universe

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



234, 45, 190



255, 8, 197



113, 234, 45



117, 106, 115



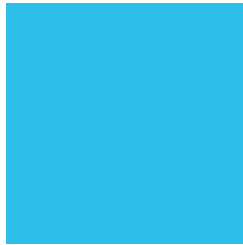
181, 0, 139



54, 0, 41

Previews

White Background



This preview shows how the RYB color 45, 127, 234 looks on a white background.

Color Contrast Check

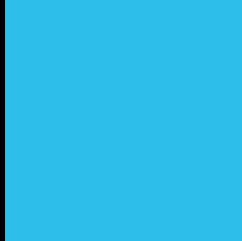
Large Text (above 18pt) WCAG AA × Fail

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 45, 127, 234 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 45, 127, 234 Background



This preview shows how black text looks on a background with the RYB color 45, 127, 234.

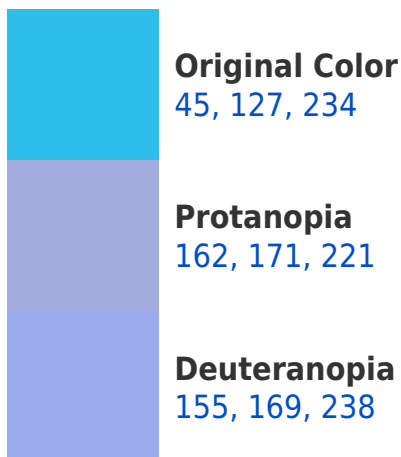


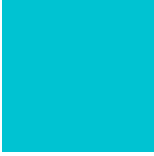
This preview shows how white text looks on a background with the RYB color 45, 127, 234.

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
0, 101, 210

Trichromacy



Original Color

45, 127, 234



Protanomaly

119, 157, 226



Deuteranomaly

115, 157, 237



Tritanomaly

16, 110, 219

Monochromacy



Original Color

45, 127, 234



Achromatopsia

152, 152, 152



Achromatomaly

113, 143, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 127, 234 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(45, 190, 234)` looks like.

```
.text, #text, p{  
    color:rgb(45, 190, 234)  
}
```

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(45, 190, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 190, 234) }
```

Border

The CSS property to change the border of an element to RYB 45, 127, 234 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(45, 190, 234) }
```

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

```
.border{ border-color:rgb(45, 190, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 190, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 190, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 190, 234);  
box-shadow:4px 4px 4px 4px rgb(45, 190,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 45, 127, 234 is called "background".

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

```
.background, #background, body{  
background: rgb(45, 190, 234) }
```

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

```
.background{ background-color: rgb(45, 190,  
234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor