

Converting Colors

`RYB(46, 136, 255)`

Have a look what the booklet for
RYB(46, 136, 255) contains.

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Color

`RYB(46, 136, 255)`

Conversions

Conversions Part 1

Format	Color
Hex	2ECCFF
RGB	46, 204, 255
RGB Percent	18%, 80%, 100%
CMY	0.8196, 0.1997, 0.0000
CMYK	0.82, 0.20, 0.00, 0.00
HSL	195°, 100%, 59%
HSV	195°, 82%, 100%
XYZ	40.7856, 51.0185, 102.3057
YIQ	162.5720, -110.5390, -17.6350

Conversions

Conversions Part 2

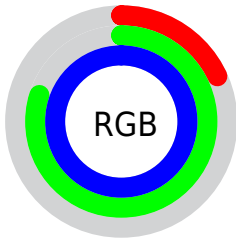
Format	Color
R _Y B	46, 136, 255
Decimal	3067135
CIE Lab	76.69, -22.40, -36.08
CIE LCh	77, 42.464, 238.170
Yxy	51.0185, 0.2101, 0.2628
Android (android.graphics.Color)	4281257215 (0xFF2ECCFF)
YUV	162.5720, 45.5670, -102.2336
Hunter-Lab	71.4273, -23.0727, -34.9223

Details

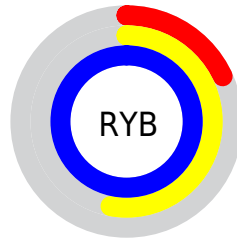
The RYB color **46, 136, 255** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **255, 113, 46**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **127, 191, 255**, and **0, 85, 198** is the 20% darker color. If you saturate the color by 10%, you get **21, 122, 255**, and if you desaturate by 10%, it is **72, 151, 255**.

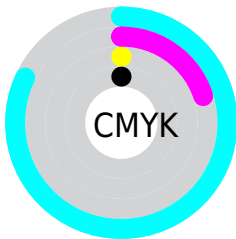
Distribution



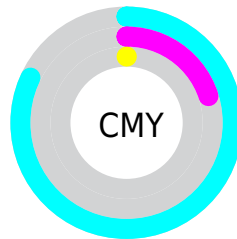
- Red (18%)
- Green (80%)
- Blue (100%)



- Red (18%)
- Yellow (53%)
- Blue (100%)



- Cyan (82%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



















- Cyan (82%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 46, 136, 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 46, 136, 255 by changing the saturation by 10% instead.

 46, 136, 255	 46, 136, 255
 255, 255, 255	 0, 99, 226
 127, 191, 255	 0, 85, 198
 160, 208, 255	 0, 72, 171
 192, 224, 255	 0, 59, 144
 224, 240, 255	 0, 46, 118
	 0, 33, 93
	 0, 22, 69
	 0, 4, 47
	 0, 1, 25

■ 46, 136, 255

■ 46, 136, 255

■ 21, 122, 255

■ 72, 151, 255

■ 0, 110, 255

■ 97, 165, 255

■ 123, 180, 255

■ 148, 194, 255

■ 174, 209, 255

■ 199, 223, 255

■ 225, 238, 255

■ 250, 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.



0, 108, 225



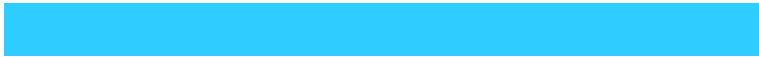
46, 136, 255



126, 171, 255

Triad

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



46, 136, 255



255, 159, 193



118, 198, 139

Complementary

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



46, 136, 255



255, 113, 46

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.



154, 217, 110



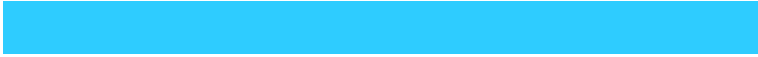
46, 136, 255



255, 162, 154

Square

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



46, 136, 255



236, 166, 231



248, 202, 124



130, 193, 206

Rectangle

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



46, 136, 255



170, 183, 255



248, 202, 124



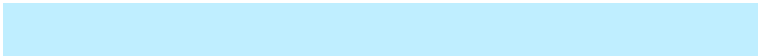
113, 194, 116

Sweetspot

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



46, 136, 255



191, 218, 255



46, 215, 255



89, 106, 128



0, 0, 0



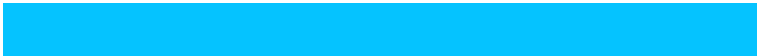
128, 128, 128

Same Dimension

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



46, 136, 255



5, 113, 255



46, 90, 255



115, 120, 128



0, 82, 191



0, 27, 64

Inverse Universe

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



255, 46, 204



255, 5, 194



122, 255, 46



128, 115, 124



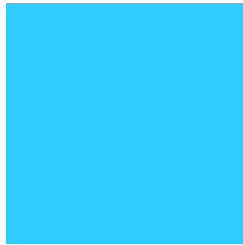
191, 0, 145



64, 0, 48

Previews

White Background



This preview shows how the RYB color 46, 136, 255 looks on a white background.

Color Contrast Check

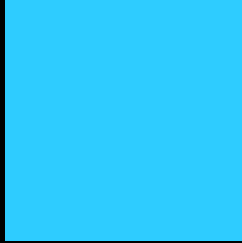
Large Text (above 18pt) WCAG AA × Fail

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 46, 136, 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 46, 136, 255 Background



This preview shows how black text looks on a background with the RYB color 46, 136, 255.

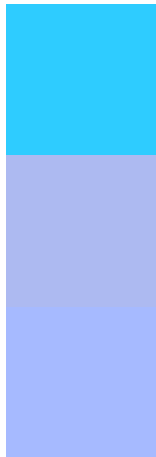


This preview shows how white text looks on a background with the RYB color 46, 136, 255.

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](#).

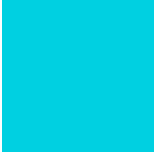
Dichromacy



Original Color
46, 136, 255

Protanopia
173, 184, 241

Deuteranopia
166, 182, 255



Tritanopia
0, 108, 225

Trichromacy



Original Color

46, 136, 255



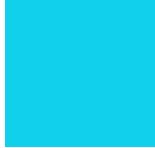
Protanomaly

127, 169, 246



Deuteranomaly

122, 168, 255



Tritanomaly

17, 119, 236

Monochromacy



Original Color

46, 136, 255



Achromatopsia

163, 163, 163



Achromatomaly

120, 153, 196

CSS Examples

Text

The CSS property to change the color of the text to RYB 46, 136, 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(46, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 204, 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(46, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 204, 255) }
```

Border

The CSS property to change the border of an element to RYB 46, 136, 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(46, 204, 255) }
```

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

```
.border{ border-color:rgb(46, 204, 255) }
```

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

Here you see how a box with a 4 pixel rgb(46, 204, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 204,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 46, 136, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 204, 255) }
```

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

```
.background{ background-color: rgb(46, 204,  
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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