

Converting Colors

`RYB(34, 154, 236)`

Have a look what the booklet for
RYB(34, 154, 236) contains.

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Color

`RYB(34, 154, 236)`

Conversions

Conversions Part 1

Format	Color
Hex	22ECAC
RGB	34, 236, 172
RGB Percent	13%, 93%, 67%
CMY	0.8667, 0.0745, 0.3254
CMYK	0.86, 0.00, 0.27, 0.07
HSL	161°, 84%, 53%
HSV	161°, 86%, 93%
XYZ	38.1047, 63.3108, 49.2584
YIQ	168.3060, -99.8480, -62.7280

Conversions

Conversions Part 2

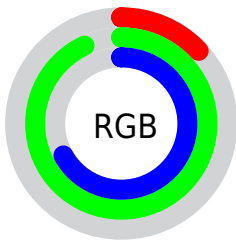
Format	Color
RYB	34, 154, 236
Decimal	2288812
CIELab	83.61, -60.65, 18.20
CIELCh	84, 63.326, 163.297
Yxy	63.3108, 0.2529, 0.4202
Android (android.graphics.Color)	4280478892 (0xFF22ECAC)
YUV	168.3060, 1.8211, -117.7864
Hunter-Lab	79.5681, -53.7615, 18.9929

Details

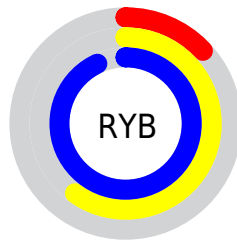
The RYB color **34, 154, 236** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **236, 34, 98**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **119, 194, 255**, and **0, 107, 179** is the 20% darker color. If you saturate the color by 10%, you get **10, 144, 236**, and if you desaturate by 10%, it is **58, 164, 236**.

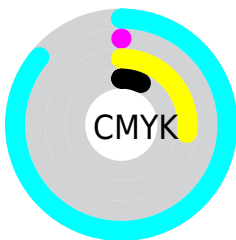
Distribution



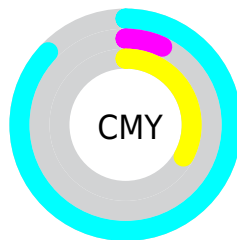
- Red (13%)
- Green (93%)
- Blue (67%)



- Red (13%)
- Yellow (60%)
- Blue (93%)



- Cyan (86%)
- Magenta (0%)
- Yellow (27%)
- Black (7%)





















- Cyan (87%)
- Magenta (7%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the RYB color 34, 154, 236 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 34, 154, 236 by changing the saturation by 10% instead.

 34, 154, 236	 34, 154, 236
 255, 255, 255	 0, 122, 207
 119, 194, 255	 0, 107, 179
 152, 204, 255	 0, 93, 151
 184, 220, 255	 0, 79, 124
 215, 235, 255	 0, 66, 98
 247, 251, 255	 0, 53, 72
	 0, 48, 50
	 0, 21, 21
	 0, 0, 0


 34, 154, 236

 34, 154, 236

 10, 144, 236

 58, 164, 236

 0, 140, 236

 81, 173, 236

 105, 183, 236

 128, 192, 236

 152, 202, 236

 176, 212, 236

 199, 221, 236

 223, 231, 236

 246, 236, 239

Harmonies

Analogous

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



118, 228, 195



34, 154, 236



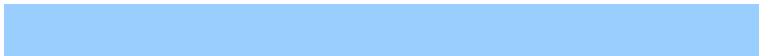
0, 120, 238

Triad

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



34, 154, 236



153, 188, 255



255, 192, 129

Complementary

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



34, 154, 236



236, 34, 98

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, 157, 184



34, 154, 236



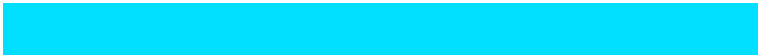
247, 182, 255

Square

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



34, 154, 236



0, 119, 255



255, 162, 244



192, 255, 92

Rectangle

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



34, 154, 236



0, 123, 255



255, 162, 244



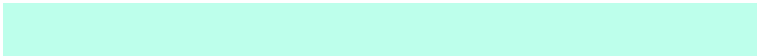
255, 169, 146

Sweetspot

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



34, 154, 236



189, 228, 255



34, 236, 172



88, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



34, 154, 236



0, 152, 255



34, 125, 236



106, 112, 117



0, 107, 181



0, 32, 54

Inverse Universe

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



236, 34, 98



255, 0, 81



236, 79, 34



117, 106, 109



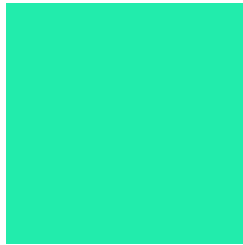
181, 0, 57



54, 0, 17

Previews

White Background



This preview shows how the RYB color 34, 154, 236 looks on a white background.

Color Contrast Check

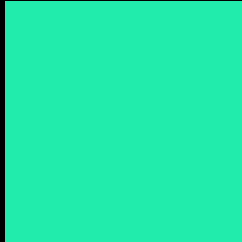
Large Text (above 18pt) WCAG AA × Fail

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 34, 154, 236 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 34, 154, 236 Background



This preview shows how black text looks on a background with the RYB color 34, 154, 236.

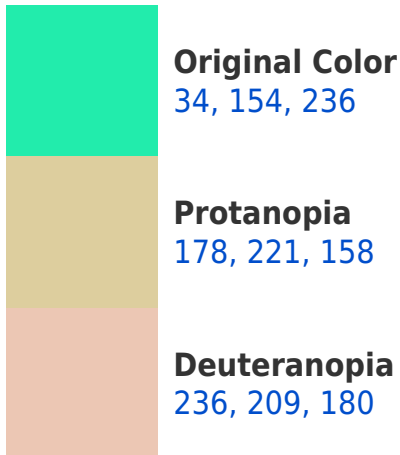


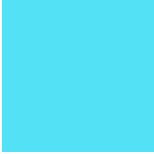
This preview shows how white text looks on a background with the RYB color 34, 154, 236.

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
83, 159, 245

Trichromacy



Original Color

34, 154, 236



Protanomaly

153, 208, 217



Deuteranomaly

163, 201, 212



Tritanomaly

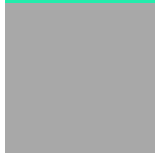
65, 151, 230

Monochromacy



Original Color

34, 154, 236



Achromatopsia

168, 168, 168



Achromatomaly

119, 163, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 34, 154, 236 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(34, 236, 172)` looks like.

```
.text, #text, p{  
    color:rgb(34, 236, 172)  
}
```

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(34, 236, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 236, 172) }
```

Border

The CSS property to change the border of an element to RYB 34, 154, 236 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(34, 236, 172) }
```

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

```
.border{ border-color:rgb(34, 236, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 236, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 236, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 236, 172);  
box-shadow:4px 4px 4px 4px rgb(34, 236,  
172) }
```

Background

The CSS property to change the background color of an element to RYB 34, 154, 236 is called "background".

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

```
.background, #background, body{  
background: rgb(34, 236, 172) }
```

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

```
.background{ background-color: rgb(34, 236,  
172) }
```

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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