

Converting Colors

`RYB(65, 146, 236)`

Have a look what the booklet for
RYB(65, 146, 236) contains.

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Color

RYB(65, 146, 236)

Conversions

Conversions Part 1

Format	Color
Hex	41DBEC
RGB	65, 219, 236
RGB Percent	25%, 86%, 93%
CMY	0.7451, 0.1416, 0.0745
CMYK	0.72, 0.07, 0.00, 0.07
HSL	186°, 82%, 59%
HSV	186°, 72%, 93%
XYZ	42.6257, 57.7908, 88.2650
YIQ	174.8920, -97.2410, -27.3610

Conversions

Conversions Part 2

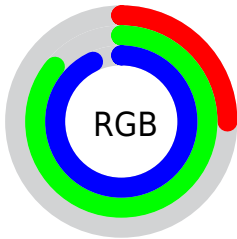
Format	Color
R _{YB}	65, 146, 236
Decimal	4316140
CIE _{Lab}	80.62, -33.76, -19.89
CIE _{LCh}	81, 39.181, 210.512
Yxy	57.7908, 0.2259, 0.3063
Android (android.graphics.Color)	4282506220 (0xFF41DBEC)
YUV	174.8920, 30.1262, -96.3753
Hunter-Lab	76.0203, -32.9478, -15.6258

Details

The RYB color **65, 146, 236** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **236, 84, 65**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **136, 196, 255**, and **0, 86, 180** is the 20% darker color. If you saturate the color by 10%, you get **41, 134, 236**, and if you desaturate by 10%, it is **89, 159, 236**.

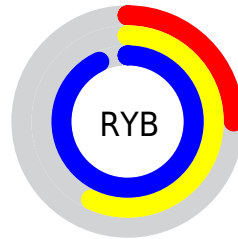
Distribution



Red (25%)

Green (86%)

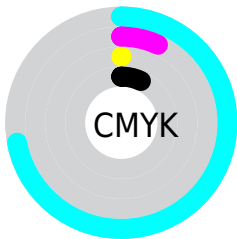
Blue (93%)



Red (25%)

Yellow (57%)

Blue (93%)

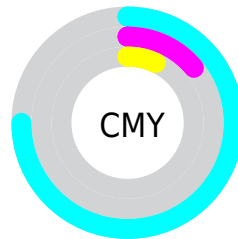


Cyan (72%)

Magenta (7%)

Yellow (0%)

Black (7%)



Cyan (75%)

















Magenta (14%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 65, 146, 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 65, 146, 236 by changing the saturation by 10% instead.

 65, 146, 236	 65, 146, 236
 255, 255, 255	 0, 100, 208
 136, 196, 255	 0, 86, 180
 168, 212, 255	 0, 72, 153
 199, 227, 255	 0, 59, 127
 231, 243, 255	 0, 47, 102
	 0, 35, 78
	 0, 23, 55
	 0, 5, 34
	 0, 0, 9

■ 65, 146, 236

■ 65, 146, 236

■ 41, 134, 236

■ 89, 159, 236

■ 18, 121, 236

■ 112, 171, 236

■ 0, 112, 236

■ 136, 183, 236

■ 159, 195, 236

■ 183, 208, 236

■ 207, 221, 236

■ 230, 233, 236

■ 254, 238, 236

■ 255, 241, 236

Harmonies

Analogous

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



97, 164, 220



65, 146, 236



92, 161, 255

Triad

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



65, 146, 236



247, 178, 237



161, 224, 126

Complementary

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



65, 146, 236



236, 84, 65

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.



254, 218, 137



65, 146, 236



255, 172, 201

Square

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



65, 146, 236



205, 190, 255



255, 176, 165



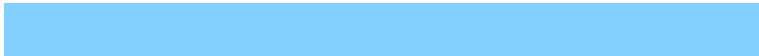
136, 209, 159

Rectangle

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



65, 146, 236



130, 178, 255



255, 176, 165



194, 235, 128

Sweetspot

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



65, 146, 236



199, 225, 255



65, 221, 236



94, 110, 128



0, 0, 0



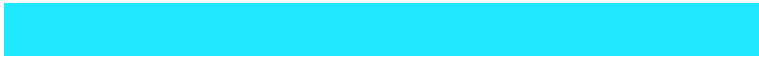
128, 128, 128

Same Dimension

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



65, 146, 236



33, 138, 255



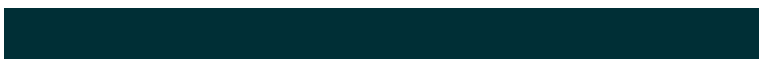
65, 114, 236



106, 111, 117



0, 86, 181



0, 25, 54

Inverse Universe

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



236, 65, 219



255, 33, 233



178, 236, 65



117, 106, 116



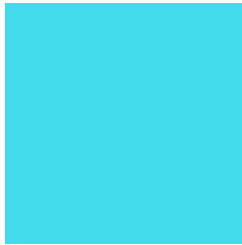
181, 0, 163



54, 0, 48

Previews

White Background



This preview shows how the RYB color 65, 146, 236 looks on a white background.

Color Contrast Check

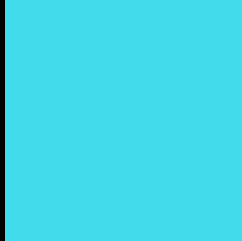
Large Text (above 18pt) WCAG AA × Fail

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 65, 146, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

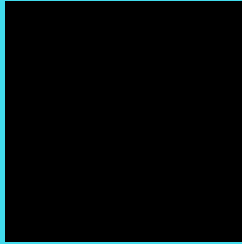
Any Text WCAG AA ✓ Pass

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 65, 146, 236 Background



This preview shows how black text looks on a background with the RYB color 65, 146, 236.

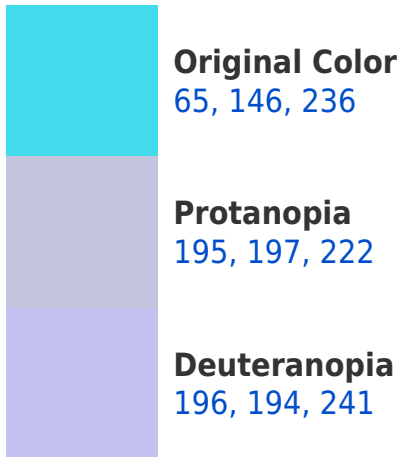


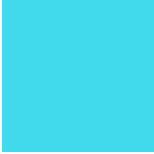
This preview shows how white text looks on a background with the RYB color 65, 146, 236.

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





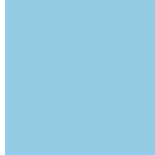
Tritanopia
65, 146, 237

Trichromacy



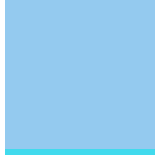
Original Color

65, 146, 236



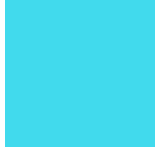
Protanomaly

148, 181, 227



Deuteranomaly

148, 182, 239



Tritanomaly

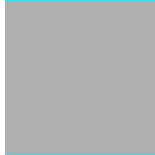
65, 146, 237

Monochromacy



Original Color

65, 146, 236



Achromatopsia

175, 175, 175



Achromatomaly

135, 164, 197

CSS Examples

Text

The CSS property to change the color of the text to RYB 65, 146, 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(65, 219, 236) looks like.

```
.text, #text, p{  
    color:rgb(65, 219, 236)  
}
```

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(65, 219, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 219, 236) }
```

Border

The CSS property to change the border of an element to RYB 65, 146, 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(65, 219, 236) }
```

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

```
.border{ border-color:rgb(65, 219, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 219, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(65, 219, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(65, 219, 236); box-shadow:4px 4px 4px 4px rgb(65, 219, 236) }
```

Background

The CSS property to change the background color of an element to RYB 65, 146, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 219, 236) }
```

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

```
.background{ background-color: rgb(65, 219,  
236) }
```

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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