

Converting Colors

RGB(46, 236, 236)

Have a look what the booklet for
RGB(46, 236, 236) contains.

RGB(46, 236, 236)	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

RGB(46, 236, 236)

Conversions

Conversions Part 1

Format	Color
Hex	2EECEC
RGB	46, 236, 236
RGB Percent	18%, 93%, 93%
CMY	0.8196, 0.0745, 0.0745
CMYK	0.81, 0.00, 0.00, 0.07
HSL	180°, 83%, 55%
HSV	180°, 81%, 93%
XYZ	46.2625, 66.6279, 89.7791
YIQ	179.1900, -113.2400, -40.2800

Conversions

Conversions Part 2

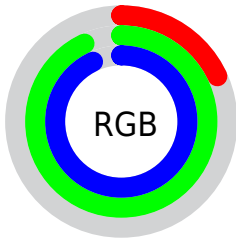
Format	Color
RYB	46, 141, 236
Decimal	3075308
CIELab	85.32, -43.40, -12.86
CIELCh	85, 45.262, 196.508
Yxy	66.6279, 0.2283, 0.3288
Android (android.graphics.Color)	4281265388 (0xFF2EECEC)
YUV	179.1900, 28.0073, -116.8076
Hunter-Lab	81.6259, -41.6782, -8.0740

Details

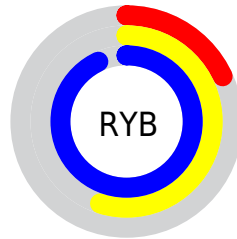
The RGB color **46, 236, 236** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **236, 46, 46**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **128, 255, 255**, and **0, 179, 180** is the 20% darker color. If you saturate the color by 10%, you get **22, 236, 236**, and if you desaturate by 10%, it is **70, 236, 236**.

Distribution



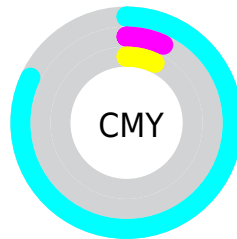
- Red (18%)
- Green (93%)
- Blue (93%)



- Red (18%)
- Yellow (55%)
- Blue (93%)



- Cyan (81%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



















- Cyan (82%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RGB color 46, 236, 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 RGB color 46, 236, 236 by changing the saturation by 10% instead.

 46, 236, 236	 46, 236, 236
 255, 255, 255	 0, 207, 208
 128, 255, 255	 0, 179, 180
 161, 255, 255	 0, 152, 153
 194, 255, 255	 0, 126, 128
 225, 255, 255	 0, 100, 103
	 0, 75, 79
	 0, 51, 56
	 0, 28, 34
	 0, 0, 12

■ 46, 236, 236

■ 46, 236, 236

■ 22, 236, 236

■ 70, 236, 236

■ 0, 236, 236

■ 93, 236, 236

■ 117, 236, 236

■ 140, 236, 236

■ 164, 236, 236

■ 188, 236, 236

■ 211, 236, 236

■ 235, 236, 236

■ 255, 236, 236

Harmonies

Analogous

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



114, 235, 192



46, 236, 236



30, 232, 255

Triad

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



46, 236, 236



248, 194, 255



255, 204, 130

Complementary

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



46, 236, 236



236, 46, 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.



255, 189, 153



46, 236, 236



255, 182, 234

Square

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



46, 236, 236



189, 209, 255



255, 180, 191



218, 218, 130

Rectangle

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



46, 236, 236



88, 227, 255



255, 180, 191



255, 199, 135

Sweetspot

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



46, 236, 236



194, 255, 255



46, 236, 46



91, 128, 128



0, 0, 0



128, 128, 128

Same Dimension

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



46, 236, 236



8, 255, 255



46, 141, 236



106, 117, 117



0, 181, 181



0, 54, 54

Inverse Universe

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



236, 46, 236



255, 8, 255



236, 141, 46



117, 106, 117



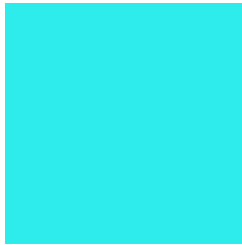
181, 0, 181



54, 0, 54

Previews

White Background



This preview shows how the RGB color 46, 236, 236 looks on a white background.

Color Contrast Check

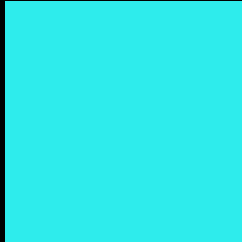
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 46, 236, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

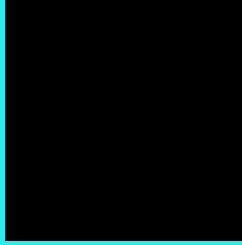
Any Text WCAG AA ✓ Pass

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](#).

RGB 46, 236, 236 Background



This preview shows how black text looks on a background with the RGB color 46, 236, 236.

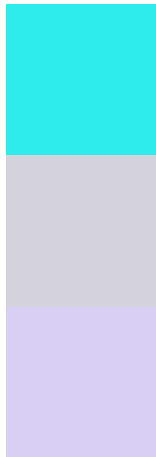


This preview shows how white text looks on a background with the RGB color 46, 236, 236.

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](#).

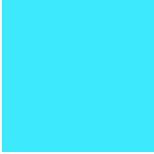
Dichromacy



Original Color
46, 236, 236

Protanopia
212, 210, 220

Deuteranopia
217, 206, 243



Tritanopia
61, 233, 252

Trichromacy



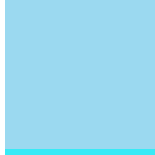
Original Color

46, 236, 236



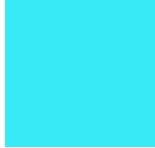
Protanomaly

152, 219, 226



Deuteranomaly

155, 217, 240



Tritanomaly

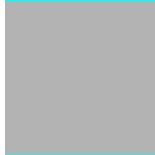
56, 234, 246

Monochromacy



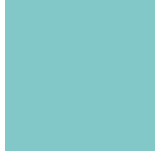
Original Color

46, 236, 236



Achromatopsia

179, 179, 179



Achromatomaly

131, 200, 200

CSS Examples

Text

The CSS property to change the color of the text to RGB 46, 236, 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(46, 236, 236)` looks like.

```
.text, #text, p{  
    color:rgb(46, 236, 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(46, 236, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 236, 236) }
```

Border

The CSS property to change the border of an element to RGB 46, 236, 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(46, 236, 236) }
```

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

```
.border{ border-color:rgb(46, 236, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 236, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 236, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 236, 236);  
box-shadow:4px 4px 4px 4px rgb(46, 236,  
236) }
```

Background

The CSS property to change the background color of an element to RGB 46, 236, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 236, 236) }
```

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

```
.background{ background-color: rgb(46, 236,  
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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