

# Converting Colors

RGB(75, 227, 249)

Have a look what the booklet for  
RGB(75, 227, 249) contains.

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# **Color**

**RGB(75, 227, 249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BE3F9
RGB	75, 227, 249
RGB Percent	29%, 89%, 98%
CMY	0.7059, 0.1098, 0.0235
CMYK	0.70, 0.09, 0.00, 0.02
HSL	188°, 94%, 64%
HSV	188°, 70%, 98%
XYZ	47.4696, 63.2736, 99.3336
YIQ	184.0600, -97.6540, -25.3820

# Conversions

## Conversions Part 2

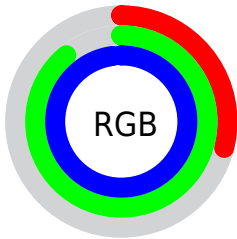
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	75, 156, 249
Decimal	4973561
CIE Lab	83.59, -32.55, -22.27
CIE LCh	84, 39.441, 214.383
Yxy	63.2736, 0.2260, 0.3012
Android (android.graphics.Color)	4283163641 (0xFF4BE3F9)
YUV	184.0600, 32.0154, -95.6456
Hunter-Lab	79.5447, -32.6804, -18.3588

# Details

The RGB color **75, 227, 249** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **249, 97, 75**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **145, 255, 255**, and **0, 171, 193** is the 20% darker color. If you saturate the color by 10%, you get **50, 224, 249**, and if you desaturate by 10%, it is **100, 230, 249**.

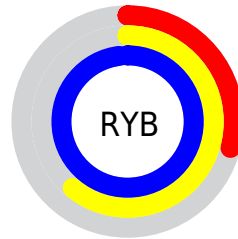
# Distribution



Red (29%)

Green (89%)

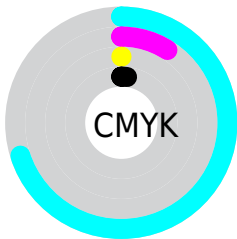
Blue (98%)



Red (29%)

Yellow (61%)

Blue (98%)

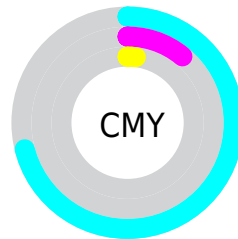


Cyan (70%)

Magenta (9%)

Yellow (0%)

Black (2%)



Cyan (71%)

Magenta (11%)

















Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the RGB color 75, 227, 249 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 75, 227, 249 by changing the saturation by 10% instead.



 75, 227, 249	 75, 227, 249
 255, 255, 255	 19, 199, 220
 145, 255, 255	 0, 171, 193
 176, 255, 255	 0, 144, 165
 208, 255, 255	 0, 118, 139
 239, 255, 255	 0, 93, 113
	 0, 69, 89
	 0, 46, 65
	 0, 23, 43
	 0, 1, 22

 75, 227, 249

 75, 227, 249

 50, 224, 249


 100, 230, 249

 25, 221, 249

 125, 233, 249

 0, 218, 249

 150, 236, 249

 0, 218, 249

 175, 240, 249

 200, 243, 249

 224, 246, 249

 249, 249, 249

 255, 252, 249

 255, 255, 249

# Harmonies

## Analogous

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



100, 229, 213



75, 227, 249



108, 221, 255

# Triad

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



75, 227, 249



255, 185, 241



228, 208, 134

# Complementary

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



75, 227, 249



249, 97, 75

# 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, 195, 142



75, 227, 249



255, 180, 204

# Square

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



75, 227, 249



220, 197, 255



255, 184, 168



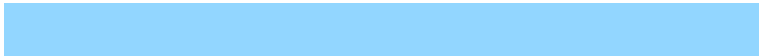
188, 219, 146

# Rectangle

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



75, 227, 249



146, 214, 255



255, 184, 168



240, 204, 134



# Sweetspot

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



75, 227, 249



201, 248, 255



75, 249, 95



96, 123, 128



0, 0, 0



128, 128, 128

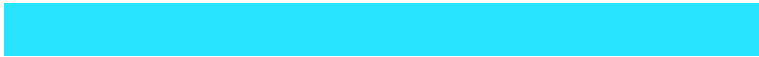


# Same Dimension

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



75, 227, 249



41, 228, 255



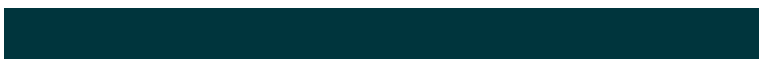
75, 142, 249



112, 123, 125



0, 165, 189



0, 53, 61



# Inverse Universe

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



249, 75, 227



255, 41, 228



249, 182, 75



125, 112, 123



189, 0, 165

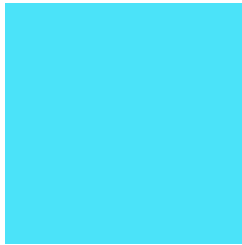


61, 0, 53



# Previews

## White Background



This preview shows how the RGB color 75, 227, 249 looks on a white background.

## Color Contrast Check

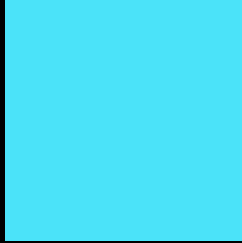
Large Text (above 18pt) WCAG AA × Fail

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 75, 227, 249 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 75, 227, 249 Background



This preview shows how black text looks on a background with the RGB color 75, 227, 249.

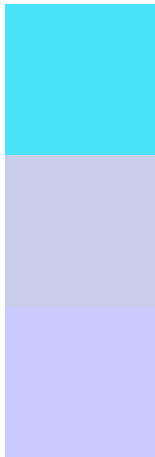


This preview shows how white text looks on a background with the RGB color 75, 227, 249.

# 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](#).

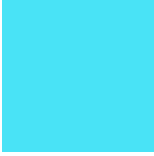
## Dichromacy



**Original Color**  
75, 227, 249

**Protanopia**  
202, 205, 234

**Deuteranopia**  
203, 202, 254



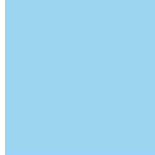
**Tritanopia**  
73, 227, 246

# Trichromacy



**Original Color**

75, 227, 249



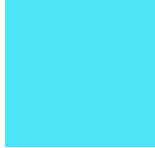
**Protanomaly**

156, 213, 239



**Deuteranomaly**

156, 211, 252



**Tritanomaly**

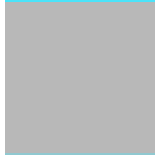
74, 227, 247

# Monochromacy



**Original Color**

75, 227, 249



**Achromatopsia**

184, 184, 184



**Achromatomaly**

144, 200, 208

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 75, 227, 249 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(75, 227, 249)` looks like.

```
.text, #text, p{  
    color:rgb(75, 227, 249)  
}
```

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(75, 227, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 227, 249) }
```

## Border

The CSS property to change the border of an element to RGB 75, 227, 249 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(75, 227, 249) }
```

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

```
.border{ border-color:rgb(75, 227, 249) }
```

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

Here you see how a box with a 4 pixel rgb(75, 227, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 227, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 227, 249);  
box-shadow:4px 4px 4px 4px rgb(75, 227,  
249) }
```

# Background

The CSS property to change the background color of an element to RGB 75, 227, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 227, 249) }
```

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

```
.background{ background-color: rgb(75, 227,  
249) }
```

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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