

Converting Colors

`RYB(69, 142, 216)`

Have a look what the booklet for RYB(69, 142, 216) contains.

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Color

$\text{RYB}(69, 142, 216)$

Conversions

Conversions Part 1

Format	Color
Hex	45D6D8
RGB	69, 214, 216
RGB Percent	27%, 84%, 85%
CMY	0.7294, 0.1607, 0.1529
CMYK	0.68, 0.01, 0.00, 0.15
HSL	181°, 65%, 56%
HSV	181°, 68%, 85%
XYZ	38.8989, 54.3231, 73.4010
YIQ	170.8730, -87.0620, -30.1180

Conversions

Conversions Part 2

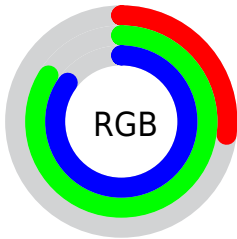
Format	Color
RYB	69, 142, 216
Decimal	4576984
CIELab	78.65, -36.75, -12.18
CIELCh	79, 38.713, 198.332
Yxy	54.3231, 0.2335, 0.3260
Android (android.graphics.Color)	4282767064 (0xFF45D6D8)
YUV	170.8730, 22.2476, -89.3426
Hunter-Lab	73.7042, -34.7752, -7.4532

Details

The RYB color **69, 142, 216** 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 **216, 71, 69**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **136, 196, 255**, and **0, 80, 161** is the 20% darker color. If you saturate the color by 10%, you get **47, 131, 216**, and if you desaturate by 10%, it is **91, 153, 216**.

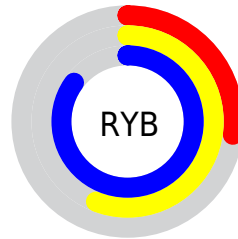
Distribution



Red (27%)

Green (84%)

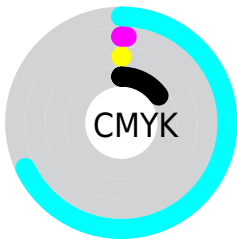
Blue (85%)



Red (27%)

Yellow (56%)

Blue (85%)

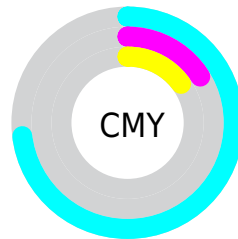


Cyan (68%)

Magenta (1%)

Yellow (0%)

Black (15%)



Cyan (73%)

















Magenta (16%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 69, 142, 216 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 69, 142, 216 by changing the saturation by 10% instead.

 69, 142, 216	 69, 142, 216
 255, 255, 255	 15, 101, 188
 136, 196, 255	 0, 80, 161
 167, 211, 255	 0, 67, 135
 198, 227, 255	 0, 54, 110
 229, 242, 255	 0, 41, 85
	 0, 30, 62
	 0, 19, 40
	 0, 1, 21
	 0, 0, 0

■ 69, 142, 216

■ 69, 142, 216

■ 47, 131, 216

■ 91, 153, 216

■ 26, 120, 216

■ 112, 164, 216

■ 4, 109, 216

■ 134, 175, 216

■ 0, 107, 216

■ 155, 185, 216

■ 177, 196, 216

■ 199, 208, 216

■ 220, 216, 216

■ 242, 216, 216

■ 255, 217, 216

Harmonies

Analogous

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



111, 172, 213



69, 142, 216



69, 148, 247

Triad

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



69, 142, 216



226, 178, 243



196, 231, 124

Complementary

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



69, 142, 216



216, 71, 69

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, 191, 142



69, 142, 216



255, 168, 210

Square

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



69, 142, 216



179, 189, 255



255, 168, 174



125, 199, 127

Rectangle

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



69, 142, 216



102, 164, 255



255, 168, 174



241, 235, 128

Sweetspot

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



69, 142, 216



204, 229, 255



69, 216, 216



97, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



69, 142, 216



46, 150, 255



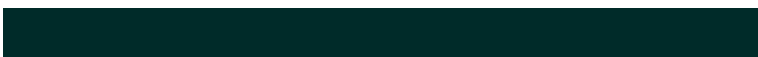
69, 118, 216



96, 102, 107



0, 85, 171



0, 22, 43

Inverse Universe

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



216, 69, 214



255, 46, 252



214, 216, 69



107, 96, 107



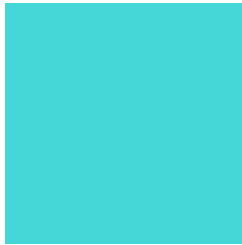
171, 0, 169



43, 0, 43

Previews

White Background



This preview shows how the RYB color 69, 142, 216 looks on a white background.

Color Contrast Check

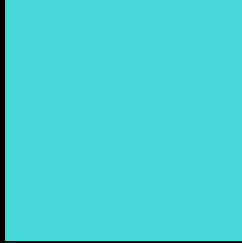
Large Text (above 18pt) WCAG AA × Fail

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 69, 142, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

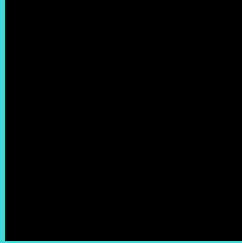
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

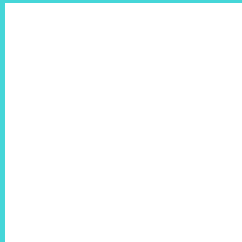
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 69, 142, 216 Background



This preview shows how black text looks on a background with the R Y B color 69, 142, 216.

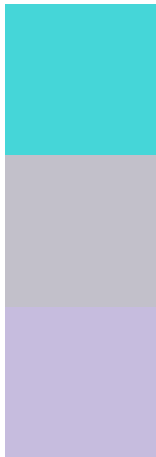


This preview shows how white text looks on a background with the R Y B color 69, 142, 216.

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](#).

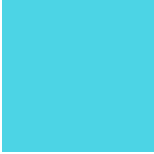
Dichromacy



Original Color
69, 142, 216

Protanopia
194, 192, 202

Deuteranopia
198, 188, 222



Tritanopia
76, 148, 229

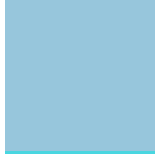
Trichromacy



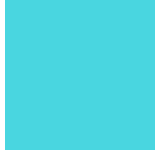
Original Color
69, 142, 216



Protanomaly
149, 176, 207



Deuteranomaly
151, 179, 220

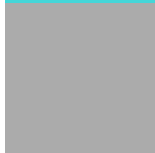


Tritanomaly
73, 146, 224

Monochromacy



Original Color
69, 142, 216



Achromatopsia
171, 171, 171



Achromatomaly
134, 161, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 69, 142, 216 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(69, 214, 216)` looks like.

```
.text, #text, p{  
    color:rgb(69, 214, 216)  
}
```

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(69, 214, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 214, 216) }
```

Border

The CSS property to change the border of an element to RYB 69, 142, 216 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(69, 214, 216) }
```

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

```
.border{ border-color:rgb(69, 214, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 214, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 214, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 214, 216);  
box-shadow:4px 4px 4px 4px rgb(69, 214,  
216) }
```

Background

The CSS property to change the background color of an element to RGB 69, 142, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 214, 216) }
```

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

```
.background{ background-color: rgb(69, 214,  
216) }
```

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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