

Converting Colors

`RYB(8, 99, 216)`

Have a look what the booklet for
RYB(8, 99, 216) contains.

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Color

R_YB(8, 99, 216)

Conversions

Conversions Part 1

Format	Color
Hex	08AAD8
RGB	8, 170, 216
RGB Percent	3%, 67%, 85%
CMY	0.9686, 0.3342, 0.1529
CMYK	0.96, 0.21, 0.00, 0.15
HSL	193°, 93%, 44%
HSV	193°, 96%, 85%
XYZ	26.8279, 33.6757, 70.0518
YIQ	126.8060, -111.3180, -20.0380

Conversions

Conversions Part 2

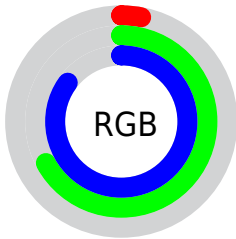
Format	Color
RYB	8, 99, 216
Decimal	568024
CIELab	64.70, -19.88, -33.51
CIELCh	65, 38.964, 239.323
Yxy	33.6757, 0.2055, 0.2579
Android (android.graphics.Color)	4278758104 (0xFF08AAD8)
YUV	126.8060, 43.9726, -104.1929
Hunter-Lab	58.0308, -19.0324, -30.9504

Details

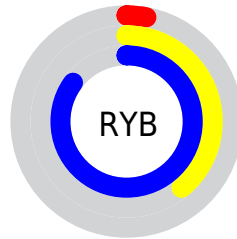
The RYB color **8, 99, 216** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **216, 67, 8**, and the grayscale version is **126, 126, 126**.

A 20% lighter version of the original color is **105, 172, 255**, and **0, 68, 161** is the 20% darker color. If you saturate the color by 10%, you get **0, 95, 216**, and if you desaturate by 10%, it is **30, 111, 216**.

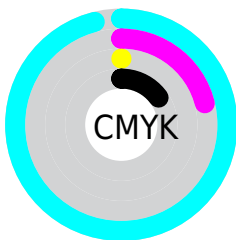
Distribution



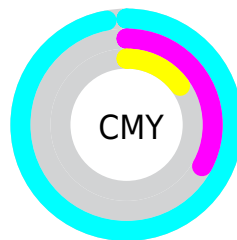
- Red (3%)
- Green (67%)
- Blue (85%)



- Red (3%)
- Yellow (39%)
- Blue (85%)



- Cyan (96%)
- Magenta (21%)
- Yellow (0%)
- Black (15%)




















- Cyan (97%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 8, 99, 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 8, 99, 216 by changing the saturation by 10% instead.

 8, 99, 216	 8, 99, 216
 255, 255, 255	 0, 81, 188
 105, 172, 255	 0, 68, 161
 138, 196, 255	 0, 55, 135
 169, 212, 255	 0, 42, 109
 200, 228, 255	 0, 30, 85
 231, 243, 255	 0, 19, 61
	 0, 3, 39
	 0, 1, 16
	 0, 0, 0

■ 8, 99, 216

■ 8, 99, 216

■ 0, 95, 216

■ 30, 111, 216

■ 51, 123, 216

■ 73, 135, 216

■ 94, 147, 216

■ 116, 160, 216

■ 138, 172, 216

■ 159, 184, 216

■ 181, 196, 216

■ 202, 208, 216

Harmonies

Analogous

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



0, 91, 190



8, 99, 216



102, 142, 226

Triad

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



8, 99, 216



221, 129, 159



95, 165, 116

Complementary

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



8, 99, 216



216, 67, 8

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.



120, 180, 86



8, 99, 216



223, 133, 125

Square

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



8, 99, 216



200, 136, 193



208, 171, 98



102, 158, 172

Rectangle

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



8, 99, 216



142, 152, 223



208, 171, 98



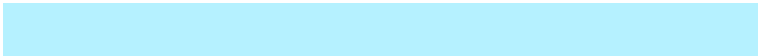
90, 162, 95

Sweetspot

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



8, 99, 216



181, 214, 255



8, 179, 216



83, 103, 128



0, 0, 0



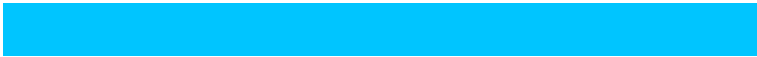
128, 128, 128

Same Dimension

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



8, 99, 216



0, 111, 255



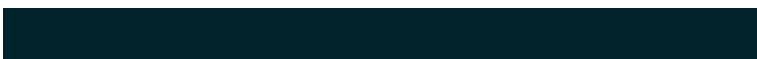
8, 54, 216



96, 101, 107



0, 75, 171



0, 19, 43

Inverse Universe

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



216, 8, 170



255, 0, 198



90, 216, 8



107, 96, 105



171, 0, 133



43, 0, 34

Previews

White Background



This preview shows how the RYB color 8, 99, 216 looks on a white background.

Color Contrast Check

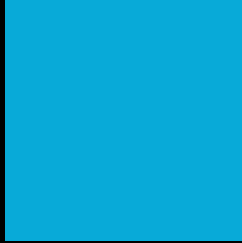
Large Text (above 18pt) WCAG AA × Fail

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 8, 99, 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 8, 99, 216 Background



This preview shows how black text looks on a background with the RYB color 8, 99, 216.

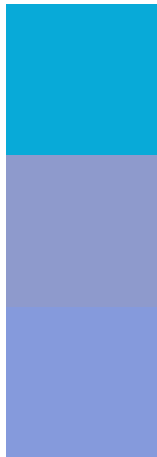


This preview shows how white text looks on a background with the RYB color 8, 99, 216.

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](#).

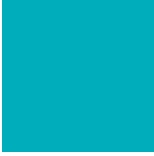
Dichromacy



Original Color
8, 99, 216

Protanopia
142, 152, 204

Deuteranopia
133, 150, 220



Tritanopia
0, 90, 187

Trichromacy



Original Color

8, 99, 216



Protanomaly

93, 135, 208



Deuteranomaly

88, 134, 219



Tritanomaly

3, 94, 198

Monochromacy



Original Color

8, 99, 216



Achromatopsia

127, 127, 127



Achromatomaly

84, 117, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 8, 99, 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(8, 170, 216)` looks like.

```
.text, #text, p{  
    color:rgb(8, 170, 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(8, 170, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 170, 216) }
```

Border

The CSS property to change the border of an element to RYB 8, 99, 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(8, 170, 216) }
```

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

```
.border{ border-color:rgb(8, 170, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 170, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 170, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 170, 216);  
box-shadow:4px 4px 4px 4px rgb(8, 170,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 8, 99, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 170, 216) }
```

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

```
.background{ background-color: rgb(8, 170,  
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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