

Converting Colors

`RYB(99, 215, 224)`

Have a look what the booklet for
RYB(99, 215, 224) contains.

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Color

RYB(99, 215, 224)

Conversions

Conversions Part 1

Format	Color
Hex	63E06D
RGB	99, 224, 109
RGB Percent	39%, 88%, 43%
CMY	0.6118, 0.1216, 0.5737
CMYK	0.56, 0.00, 0.51, 0.12
HSL	125°, 67%, 63%
HSV	125°, 56%, 88%
XYZ	34.5453, 57.0616, 23.5762
YIQ	173.5150, -37.5850, -62.2650

Conversions

Conversions Part 2

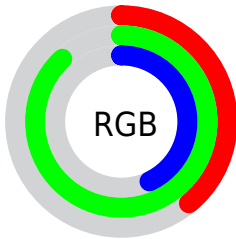
Format	Color
RYB	99, 215, 224
Decimal	6545517
CIELab	80.21, -57.89, 45.79
CIELCh	80, 73.812, 141.659
Yxy	57.0616, 0.2999, 0.4954
Android (android.graphics.Color)	4284735597 (0xFF63E06D)
YUV	173.5150, -31.8059, -65.3497
Hunter-Lab	75.5391, -50.5624, 34.3726

Details

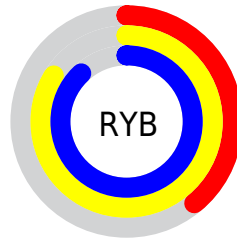
The RYB color **99, 215, 224** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **224, 99, 214**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **159, 251, 255**, and **25, 142, 168** is the 20% darker color. If you saturate the color by 10%, you get **77, 214, 224**, and if you desaturate by 10%, it is **121, 217, 224**.

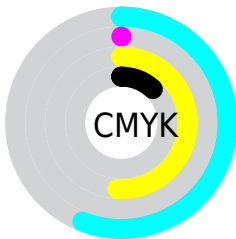
Distribution



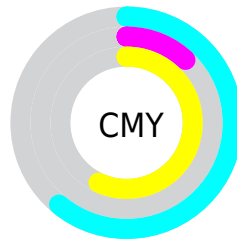
- Red (39%)
- Green (88%)
- Blue (43%)



- Red (39%)
- Yellow (84%)
- Blue (88%)



- Cyan (56%)
- Magenta (0%)
- Yellow (51%)
- Black (12%)



















- Cyan (61%)
- Magenta (12%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 215, 224 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 99, 215, 224 by changing the saturation by 10% instead.

 99, 215, 224	 99, 215, 224
 255, 255, 255	 67, 181, 195
 159, 252, 255	 25, 142, 168
 189, 254, 255	 0, 115, 140
 218, 255, 254	 0, 114, 114
 247, 255, 253	 0, 88, 88
	 0, 63, 63
	 0, 40, 40
	 0, 1, 1
	 0, 0, 0

■ 99, 215, 224

■ 99, 215, 224

■ 77, 214, 224

■ 121, 217, 224

■ 54, 212, 224

■ 144, 218, 224

■ 32, 210, 224

■ 166, 219, 224

■ 9, 208, 224

■ 189, 222, 224

■ 0, 208, 224

■ 211, 223, 224

■ 233, 224, 233

■ 255, 224, 253

■ 255, 224, 255

Harmonies

Analogous

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



57, 210, 81



99, 215, 224



0, 131, 231

Triad

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



99, 215, 224



0, 116, 255



255, 138, 152

Complementary

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



99, 215, 224



224, 99, 214

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, 136, 221



99, 215, 224



165, 184, 255

Square

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



99, 215, 224



0, 120, 255



255, 159, 255



255, 212, 92

Rectangle

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



99, 215, 224



0, 118, 232



255, 159, 255



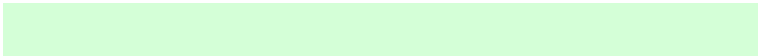
255, 134, 175

Sweetspot

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



99, 215, 224



212, 252, 255



99, 224, 107



102, 126, 128



0, 0, 0



128, 128, 128

Same Dimension

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



99, 215, 224



84, 243, 255



99, 179, 224



101, 111, 112



0, 163, 176



0, 44, 48

Inverse Universe

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



224, 99, 214



255, 84, 242



224, 99, 153



112, 101, 111



176, 0, 162



48, 0, 45

Previews

White Background



This preview shows how the RYB color 99, 215, 224 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 99, 215, 224 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 99, 215, 224 Background



This preview shows how black text looks on a background with the RYB color 99, 215, 224.

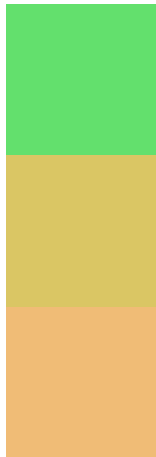


This preview shows how white text looks on a background with the RYB color 99, 215, 224.

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
99, 215, 224

Protanopia
124, 218, 100

Deuteranopia
209, 240, 118



Tritanopia
127, 173, 228

Trichromacy



Original Color
99, 215, 224



Protanomaly
103, 207, 135



Deuteranomaly
115, 201, 127



Tritanomaly
117, 176, 216

Monochromacy



Original Color
99, 215, 224



Achromatopsia
173, 173, 173



Achromatomaly
146, 188, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 215, 224 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(99, 224, 109)` looks like.

```
.text, #text, p{  
    color:rgb(99, 224, 109)  
}
```

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(99, 224, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 224, 109) }
```

Border

The CSS property to change the border of an element to RYB 99, 215, 224 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(99, 224, 109) }
```

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

```
.border{ border-color:rgb(99, 224, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 224, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 224, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 224, 109);  
box-shadow:4px 4px 4px 4px rgb(99, 224,  
109) }
```

Background

The CSS property to change the background color of an element to RGB 99, 215, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 224, 109) }
```

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

```
.background{ background-color: rgb(99, 224,  
109) }
```

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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