

Converting Colors

`RYB(99, 136, 175)`

Have a look what the booklet for
RYB(99, 136, 175) contains.

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Color

RYB(99, 136, 175)

Conversions

Conversions Part 1

Format	Color
Hex	63ABAF
RGB	99, 171, 175
RGB Percent	39%, 67%, 69%
CMY	0.6118, 0.3290, 0.3137
CMYK	0.43, 0.02, 0.00, 0.31
HSL	183°, 32%, 54%
HSV	183°, 43%, 69%
XYZ	27.4657, 34.9124, 45.8486
YIQ	149.9280, -44.1960, -14.0200

Conversions

Conversions Part 2

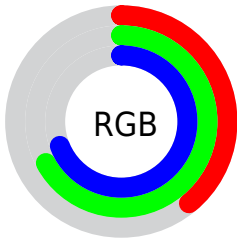
Format	Color
RYB	99, 136, 175
Decimal	6532015
CIELab	65.68, -21.51, -9.08
CIELCh	66, 23.345, 202.883
Yxy	34.9124, 0.2538, 0.3226
Android (android.graphics.Color)	4284722095 (0xFF63ABAF)
YUV	149.9280, 12.3605, -44.6639
Hunter-Lab	59.0867, -20.4281, -4.6457

Details

The RYB color **99, 136, 175** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **175, 103, 99**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **154, 191, 230**, and **43, 82, 123** is the 20% darker color. If you saturate the color by 10%, you get **82, 127, 175**, and if you desaturate by 10%, it is **117, 145, 175**.

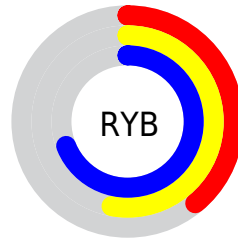
Distribution



Red (39%)

Green (67%)

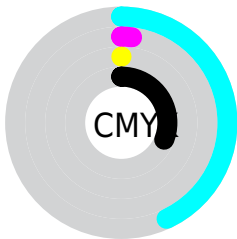
Blue (69%)



Red (39%)

Yellow (53%)

Blue (69%)

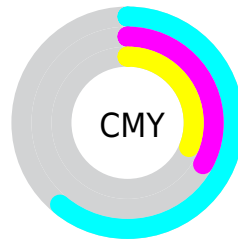


Cyan (43%)

Magenta (2%)

Yellow (0%)

Black (31%)



Cyan (61%)

Magenta (33%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 99, 136, 175 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, 136, 175 by changing the saturation by 10% instead.



99, 136, 175



99, 136, 175

255, 255, 255



72, 109, 148



154, 191, 230



43, 82, 123



182, 219, 255



2, 49, 98



211, 233, 255



0, 36, 74



240, 248, 255



0, 24, 51



0, 14, 30



0, 0, 4



0, 0, 0



99, 136, 175



99, 136, 175

■ 82, 127, 175

■ 117, 145, 175

■ 64, 118, 175

■ 134, 154, 175

■ 47, 109, 175

■ 152, 163, 175

■ 29, 100, 175

■ 169, 172, 175

■ 12, 91, 175

■ 187, 176, 175

■ 0, 85, 175

■ 204, 176, 175

■ 221, 177, 175

■ 239, 178, 175

■ 255, 179, 175

Harmonies

Analogous

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



112, 146, 171



99, 136, 175



104, 141, 192

Triad

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



99, 136, 175



182, 149, 185



157, 180, 118

Complementary

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



99, 136, 175



175, 103, 99

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.



196, 162, 127



99, 136, 175



198, 145, 165

Square

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



99, 136, 175



156, 156, 198



202, 145, 144



121, 163, 126

Rectangle

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



99, 136, 175



118, 148, 199



202, 145, 144



182, 186, 120

Sweetspot

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



99, 136, 175



197, 211, 227



99, 171, 175



96, 105, 115



242, 242, 242



115, 115, 115

Same Dimension

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



99, 136, 175



109, 166, 227



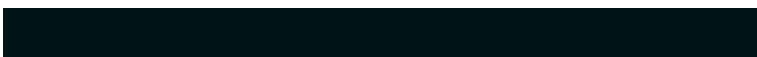
99, 122, 175



78, 82, 87



0, 73, 150



0, 11, 23

Inverse Universe

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



175, 99, 171



227, 109, 221



161, 175, 99



87, 78, 86



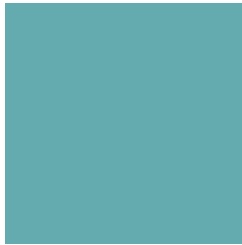
150, 0, 143



23, 0, 22

Previews

White Background



This preview shows how the RYB color 99, 136, 175 looks on a white background.

Color Contrast Check

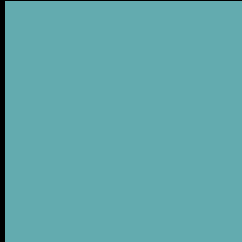
Large Text (above 18pt) WCAG AA × Fail

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, 136, 175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

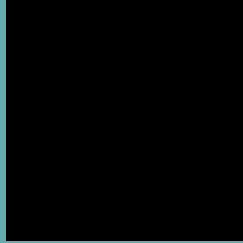
Any Text WCAG AA ✓ Pass

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 99, 136, 175 Background



This preview shows how black text looks on a background with the RYB color 99, 136, 175.

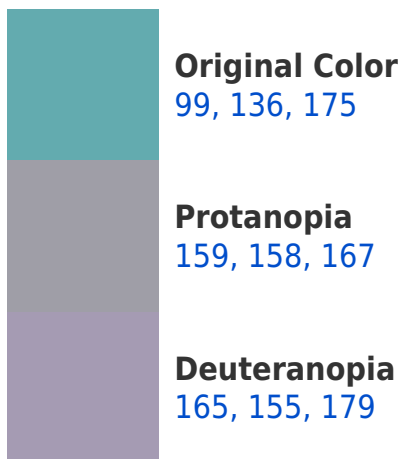



This preview shows how white text looks on a background with the RYB color 99, 136, 175.

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





Tritanopia
102, 139, 183

Trichromacy



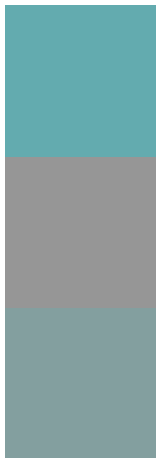
Original Color
99, 136, 175

Protanomaly
137, 152, 170

Deuteranomaly
141, 154, 178

Tritanomaly
101, 138, 180

Monochromacy



Original Color
99, 136, 175

Achromatopsia
150, 150, 150

Achromatomaly
131, 145, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 136, 175 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, 171, 175)` looks like.

```
.text, #text, p{  
    color:rgb(99, 171, 175)  
}
```

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, 171, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 171, 175) }
```

Border

The CSS property to change the border of an element to RYB 99, 136, 175 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, 171, 175) }
```

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

```
.border{ border-color:rgb(99, 171, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 171, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(99, 171, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(99, 171, 175); box-shadow:4px 4px 4px 4px rgb(99, 171, 175) }
```

Background

The CSS property to change the background color of an element to RGB 99, 136, 175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 171, 175) }
```

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

```
.background{ background-color: rgb(99, 171,  
175) }
```

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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