

Converting Colors

`RYB(69, 140, 173)`

Have a look what the booklet for
RYB(69, 140, 173) contains.

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Color

`RYB(69, 140, 173)`

Conversions

Conversions Part 1

Format	Color
Hex	45AD75
RGB	69, 173, 117
RGB Percent	27%, 68%, 46%
CMY	0.7294, 0.3216, 0.5399
CMYK	0.60, 0.00, 0.32, 0.32
HSL	148°, 43%, 47%
HSV	148°, 60%, 68%
XYZ	20.6286, 32.4447, 22.1092
YIQ	135.5200, -44.0080, -39.4640

Conversions

Conversions Part 2

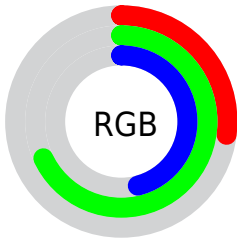
Format	Color
RYB	69, 140, 173
Decimal	4566389
CIELab	63.71, -43.09, 19.88
CIElCh	64, 47.456, 155.240
Yxy	32.4447, 0.2744, 0.4315
Android (android.graphics.Color)	4282756469 (0xFF45AD75)
YUV	135.5200, -9.1304, -58.3380
Hunter-Lab	56.9602, -35.0351, 16.8586

Details

The RYB color **69, 140, 173** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **173, 69, 125**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **126, 199, 229**, and **0, 77, 120** is the 20% darker color. If you saturate the color by 10%, you get **52, 135, 173**, and if you desaturate by 10%, it is **86, 145, 173**.

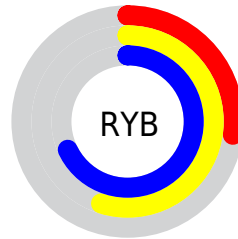
Distribution



Red (27%)

Green (68%)

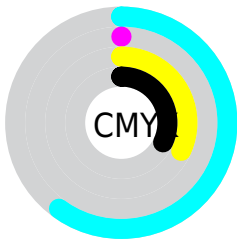
Blue (46%)



Red (27%)

Yellow (55%)

Blue (68%)

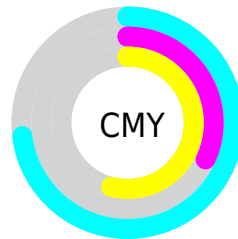


Cyan (60%)

Magenta (0%)

Yellow (32%)

Black (32%)



Cyan (73%)


Magenta (32%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the RYB color 69, 140, 173 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, 140, 173 by changing the saturation by 10% instead.

 69, 140, 173

 69, 140, 173


255, 255, 255

 36, 109, 146

 126, 198, 229

 0, 76, 120

 155, 225, 255

 0, 63, 94

 183, 228, 255

 0, 52, 70


 213, 234, 255


 0, 46, 46


 242, 249, 255


 0, 21, 21

 0, 0, 0

 69, 140, 173

 69, 140, 173

 52, 135, 173

 86, 145, 173

■ 34, 129, 173

■ 104, 151, 173

■ 17, 123, 173

■ 121, 157, 173

■ 0, 118, 173

■ 138, 162, 173

■ 156, 168, 173

■ 173, 173, 173

■ 190, 173, 182

■ 207, 173, 191

■ 225, 173, 201

Harmonies

Analogous

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



82, 166, 120



69, 140, 173



0, 92, 176

Triad

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



69, 140, 173



94, 137, 238



230, 128, 108

Complementary

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



69, 140, 173



173, 69, 125

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.



233, 118, 148



69, 140, 173



167, 140, 224

Square

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



69, 140, 173



0, 97, 230



212, 125, 191



207, 196, 77

Rectangle

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



69, 140, 173



0, 91, 189



212, 125, 191



233, 121, 121

Sweetspot

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



69, 140, 173



184, 211, 224



69, 173, 116



88, 104, 112



240, 240, 240



112, 112, 112

Same Dimension

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



69, 140, 173



63, 173, 224



69, 122, 173



78, 84, 87



0, 102, 150



0, 16, 23

Inverse Universe

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



173, 69, 125



224, 63, 149



173, 69, 74



87, 78, 83



150, 0, 81



23, 0, 12

Previews

White Background



This preview shows how the RYB color 69, 140, 173 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, 140, 173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

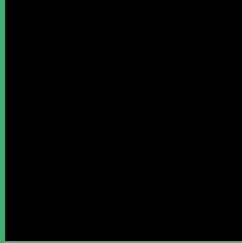
Any Text WCAG AA ✓ Pass

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 69, 140, 173 Background



This preview shows how black text looks on a background with the RYB color 69, 140, 173.

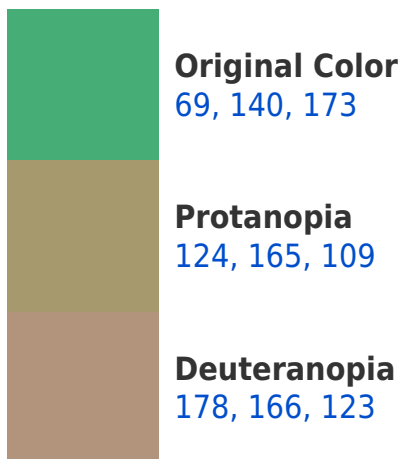


This preview shows how white text looks on a background with the RYB color 69, 140, 173.

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
88, 130, 179

Trichromacy



Original Color

69, 140, 173



Protanomaly

112, 160, 142



Deuteranomaly

121, 156, 139



Tritanomaly

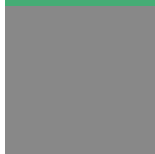
81, 127, 168

Monochromacy



Original Color

69, 140, 173



Achromatopsia

136, 136, 136



Achromatomaly

112, 137, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 69, 140, 173 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, 173, 117)` looks like.

```
.text, #text, p{  
    color:rgb(69, 173, 117)  
}
```

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, 173, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 173, 117) }
```

Border

The CSS property to change the border of an element to RYB 69, 140, 173 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, 173, 117) }
```

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

```
.border{ border-color:rgb(69, 173, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 173, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 173, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 173, 117);  
box-shadow:4px 4px 4px 4px rgb(69, 173,  
117) }
```

Background

The CSS property to change the background color of an element to RGB 69, 140, 173 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 173, 117) }
```

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

```
.background{ background-color: rgb(69, 173,  
117) }
```

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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