

Converting Colors

`RYB(69, 88, 127)`

Have a look what the booklet for
RYB(69, 88, 127) contains.

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Color

R_YB(69, 88, 127)

Conversions

Conversions Part 1

Format	Color
Hex	45617F
RGB	69, 97, 127
RGB Percent	27%, 38%, 50%
CMY	0.7294, 0.6186, 0.5020
CMYK	0.46, 0.23, 0.00, 0.50
HSL	211°, 30%, 38%
HSV	211°, 46%, 50%
XYZ	10.5834, 11.3944, 21.7202
YIQ	92.0480, -26.3180, 3.3940

Conversions

Conversions Part 2

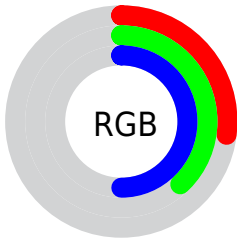
Format	Color
RYB	69, 88, 127
Decimal	4546943
CIELab	40.24, -1.85, -19.90
CIELCh	40, 19.986, 264.678
Yxy	11.3944, 0.2422, 0.2608
Android (android.graphics.Color)	4282737023 (0xFF45617F)
YUV	92.0480, 17.2313, -20.2131
Hunter-Lab	33.7555, -3.1068, -14.5216

Details

The RYB color **69, 88, 127** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **123, 127, 69**, and the grayscale version is **92, 92, 92**.

A 20% lighter version of the original color is **120, 139, 180**, and **17, 39, 78** is the 20% darker color. If you saturate the color by 10%, you get **56, 79, 127**, and if you desaturate by 10%, it is **82, 97, 127**.

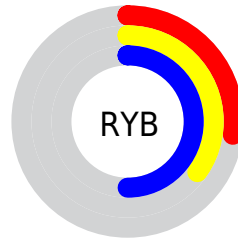
Distribution



Red (27%)

Green (38%)

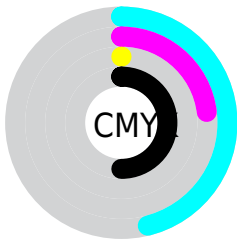
Blue (50%)



Red (27%)

Yellow (35%)

Blue (50%)

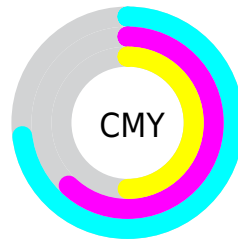


Cyan (46%)

Magenta (23%)

Yellow (0%)

Black (50%)



Cyan (73%)















Magenta (62%)







Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 69, 88, 127 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, 88, 127 by changing the saturation by 10% instead.

 69, 88, 127	 69, 88, 127
 255, 255, 255	 44, 64, 102
 120, 139, 180	 17, 39, 78
 147, 166, 207	 0, 19, 55
 174, 193, 236	 0, 4, 34
 202, 220, 255	 0, 0, 7
 230, 243, 255	 0, 0, 0

 69, 88, 127	 69, 88, 127
 56, 79, 127	 82, 97, 127
 44, 71, 127	 94, 105, 127

■ 31, 63, 127

■ 107, 114, 127

■ 18, 54, 127

■ 120, 122, 127

■ 5, 45, 127

■ 130, 132, 127

■ 0, 42, 127

■ 145, 145, 127

■ 156, 158, 127

■ 171, 171, 127

■ 179, 183, 127

Harmonies

Analogous

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



48, 79, 121



69, 88, 127



93, 92, 124

Triad

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



69, 88, 127



127, 83, 82



73, 100, 102

Complementary

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



69, 88, 127



123, 127, 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.



65, 98, 71



69, 88, 127



121, 97, 69

Square

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



69, 88, 127



125, 83, 98



86, 109, 62



55, 83, 104

Rectangle

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



69, 88, 127



107, 88, 118



86, 109, 62



71, 101, 92

Sweetspot

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



69, 88, 127



143, 150, 166



69, 108, 127



70, 75, 84



212, 212, 212



84, 84, 84

Same Dimension

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



69, 88, 127



75, 105, 166



69, 69, 127



57, 59, 64



0, 42, 128



0, 0, 0

Inverse Universe

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



127, 69, 97



166, 75, 119



69, 127, 69



64, 57, 60



128, 0, 62



0, 0, 0

Previews

White Background



This preview shows how the RYB color 69, 88, 127 looks on a white background.

Color Contrast Check

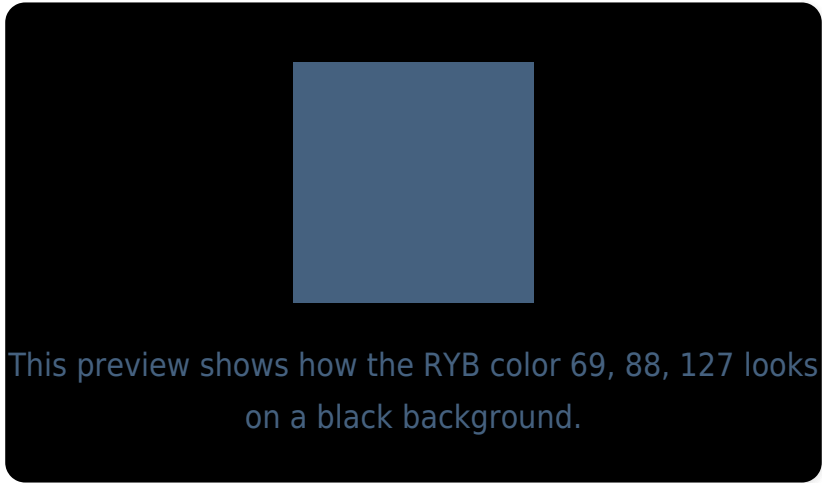
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

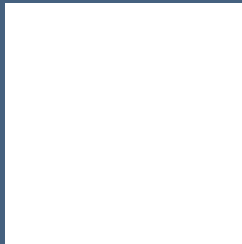
Any Text WCAG AAA × Fail

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

R_YB 69, 88, 127 Background



This preview shows how black text looks on a background with the R_YB color 69, 88, 127.

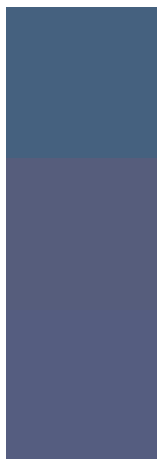


This preview shows how white text looks on a background with the R_YB color 69, 88, 127.

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, 88, 127

Protanopia

86, 92, 124

Deuteranopia

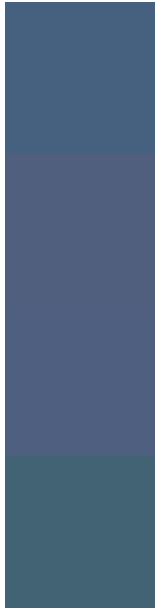
85, 92, 128



Tritanopia

64, 84, 109

Trichromacy



Original Color
69, 88, 127

Protanomaly
80, 91, 125

Deuteranomaly
79, 91, 128

Tritanomaly
66, 86, 116

Monochromacy



Original Color
69, 88, 127

Achromatopsia
92, 92, 92

Achromatomaly
84, 91, 105

CSS Examples

Text

The CSS property to change the color of the text to RYB 69, 88, 127 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, 97, 127)` looks like.

```
.text, #text, p{  
    color:rgb(69, 97, 127)  
}
```

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, 97, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 97, 127) }
```

Border

The CSS property to change the border of an element to RYB 69, 88, 127 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, 97, 127) }
```

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

```
.border{ border-color:rgb(69, 97, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 97, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 97, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 97, 127);  
box-shadow:4px 4px 4px 4px rgb(69, 97,  
127) }
```

Background

The CSS property to change the background color of an element to RYB 69, 88, 127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 97, 127) }
```

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

```
.background{ background-color: rgb(69, 97,  
127) }
```

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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