

Converting Colors

R_YB(75, 87, 129)

Have a look what the booklet for
RYB(75, 87, 129) contains.

RYB(75, 87, 129)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(75, 87, 129)

Conversions

Conversions Part 1

Format	Color
Hex	4B5A81
RGB	75, 90, 129
RGB Percent	29%, 35%, 51%
CMY	0.7059, 0.6454, 0.4941
CMYK	0.42, 0.30, 0.00, 0.49
HSL	223°, 26%, 40%
HSV	223°, 42%, 51%
XYZ	10.5565, 10.4657, 22.2326
YIQ	89.9610, -21.4590, 8.9490

Conversions

Conversions Part 2

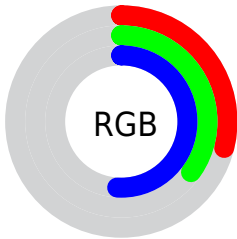
Format	Color
R_{YB}	75, 87, 129
Decimal	4938369
CIE _{Lab}	38.67, 4.72, -23.52
CIE _{LCh}	39, 23.988, 281.336
Yxy	10.4657, 0.2441, 0.2420
Android (android.graphics.Color)	4283128449 (0xFF4B5A81)
YUV	89.9610, 19.2462, -13.1208
Hunter-Lab	32.3507, 1.6335, -18.1007

Details

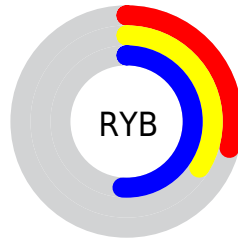
The RYB color **75, 87, 129** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **96, 129, 75**, and the grayscale version is **90, 90, 90**.

A 20% lighter version of the original color is **126, 137, 182**, and **25, 40, 80** is the 20% darker color. If you saturate the color by 10%, you get **62, 77, 129**, and if you desaturate by 10%, it is **88, 97, 129**.

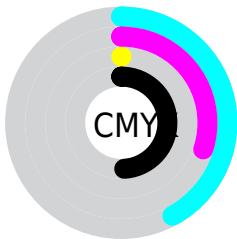
Distribution



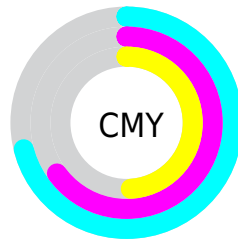
- Red (29%)
- Green (35%)
- Blue (51%)



- Red (29%)
- Yellow (34%)
- Blue (51%)



- Cyan (42%)
- Magenta (30%)
- Yellow (0%)
- Black (49%)



- Cyan (71%)
- Magenta (65%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 75, 87, 129 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 75, 87, 129 by changing the saturation by 10% instead.



75, 87, 129



75, 87, 129

255, 255, 255



50, 63, 104



126, 137, 182



25, 40, 80



153, 164, 210



0, 17, 56



180, 191, 238



0, 2, 35



208, 219, 255



0, 0, 10



236, 244, 255



0, 0, 0



75, 87, 129



75, 87, 129



62, 77, 129



88, 97, 129



49, 67, 129



101, 107, 129

■ 36, 57, 129

■ 114, 117, 129

■ 23, 47, 129

■ 127, 127, 129

■ 10, 36, 129

■ 133, 140, 129

■ 0, 29, 129

■ 137, 152, 129

■ 143, 165, 129

■ 149, 178, 129

■ 154, 191, 129

Harmonies

Analogous

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



41, 75, 127



75, 87, 129



103, 83, 120

Triad

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



75, 87, 129



126, 83, 66



51, 83, 101

Complementary

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



75, 87, 129



96, 129, 75

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.



61, 97, 83



75, 87, 129



107, 114, 54

Square

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



75, 87, 129



129, 76, 84



58, 97, 52



23, 63, 101

Rectangle

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



75, 87, 129



116, 79, 110



58, 97, 52



59, 90, 100

Sweetspot

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



75, 87, 129



146, 151, 168



75, 107, 129



71, 74, 84



212, 212, 212



84, 84, 84

Same Dimension

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



75, 87, 129



84, 103, 168



86, 75, 129



57, 59, 64



0, 28, 128



0, 0, 0

Inverse Universe

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



129, 75, 90



168, 84, 108



75, 129, 86



64, 57, 59



128, 0, 36



0, 0, 0

Previews

White Background



This preview shows how the RYB color 75, 87, 129 looks on a white background.

Color Contrast Check

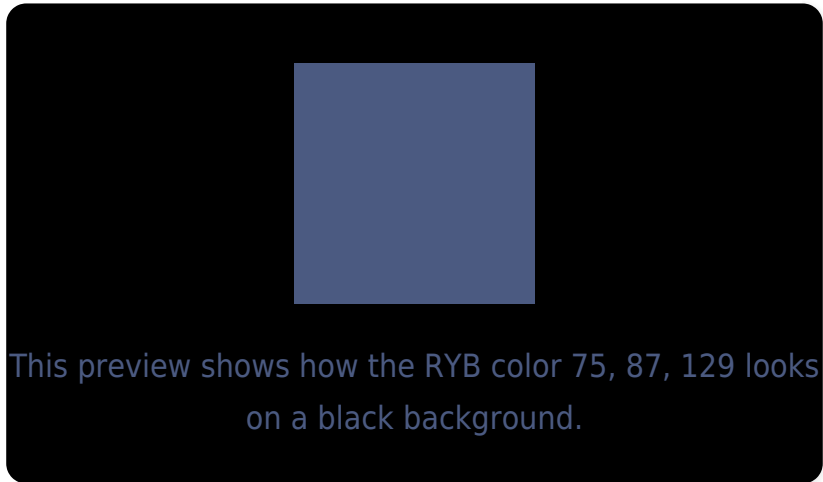
Large Text (above 18pt) WCAG AA ✓ Pass

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

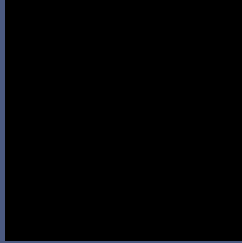
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

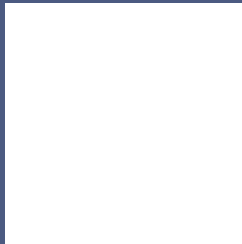
Any Text WCAG AAA × Fail

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

R_YB 75, 87, 129 Background



This preview shows how black text looks on a background with the R_YB color 75, 87, 129.

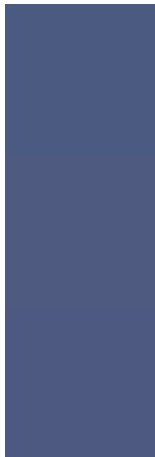


This preview shows how white text looks on a background with the R_YB color 75, 87, 129.

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


75, 87, 129

Protanopia

79, 88, 128

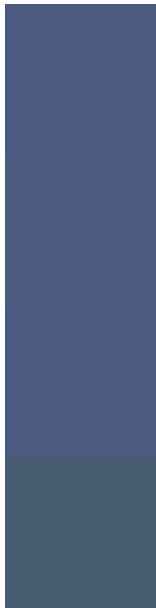
Deuteranopia

77, 87, 129



Tritanopia
68, 83, 103

Trichromacy



Original Color

75, 87, 129

Protanomaly

78, 88, 128

Deuteranomaly

76, 87, 129

Tritanomaly

71, 85, 112

Monochromacy



Original Color

75, 87, 129

Achromatopsia

90, 90, 90

Achromatomaly

85, 89, 104

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 87, 129 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(75, 90, 129)` looks like.

```
.text, #text, p{  
    color:rgb(75, 90, 129)  
}
```

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(75, 90, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 90, 129) }
```

Border

The CSS property to change the border of an element to RYB 75, 87, 129 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(75, 90, 129) }
```

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

```
.border{ border-color:rgb(75, 90, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 90, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 90, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 90, 129);  
box-shadow:4px 4px 4px 4px rgb(75, 90,  
129) }
```

Background

The CSS property to change the background color of an element to RYB 75, 90, 129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 90, 129) }
```

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

```
.background{ background-color: rgb(75, 90,  
129) }
```

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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