

Converting Colors

`RYB(66, 97, 135)`

Have a look what the booklet for
RYB(66, 97, 135) contains.

RYB(66, 97, 135)	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(66, 97, 135)

Conversions

Conversions Part 1

Format	Color
Hex	427A87
RGB	66, 122, 135
RGB Percent	26%, 48%, 53%
CMY	0.7412, 0.5204, 0.4706
CMYK	0.51, 0.09, 0.00, 0.47
HSL	191°, 34%, 39%
HSV	191°, 51%, 53%
XYZ	13.6151, 16.8978, 25.4657
YIQ	106.7380, -37.5490, -7.8290

Conversions

Conversions Part 2

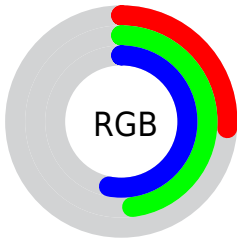
Format	Color
RYB	66, 97, 135
Decimal	4356743
CIELab	48.13, -14.81, -12.65
CIELCh	48, 19.480, 220.508
Yxy	16.8978, 0.2432, 0.3019
Android (android.graphics.Color)	4282546823 (0xFF427A87)
YUV	106.7380, 13.9332, -35.7272
Hunter-Lab	41.1069, -12.8159, -7.9552

Details

The RYB color **66, 97, 135** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **135, 82, 66**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **119, 150, 188**, and **3, 41, 85** is the 20% darker color. If you saturate the color by 10%, you get **53, 90, 135**, and if you desaturate by 10%, it is **80, 105, 135**.

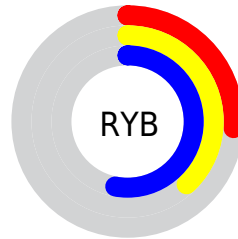
Distribution



Red (26%)

Green (48%)

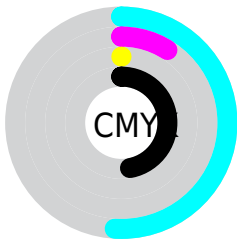
Blue (53%)



Red (26%)

Yellow (38%)

Blue (53%)

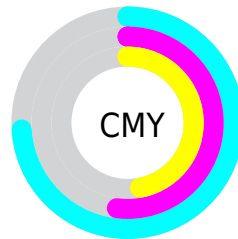


Cyan (51%)

Magenta (9%)

Yellow (0%)

Black (47%)



Cyan (74%)

Magenta (52%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the RYB color 66, 97, 135 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 66, 97, 135 by changing the saturation by 10% instead.



66, 97, 135



66, 97, 135

255, 255, 255



39, 71, 110



119, 150, 188



3, 41, 85



146, 177, 216



0, 28, 62



174, 205, 244



0, 17, 40



202, 229, 255



0, 1, 20



231, 243, 255



0, 0, 0



66, 97, 135



66, 97, 135



53, 90, 135



80, 105, 135



39, 82, 135



93, 112, 135

■ 26, 75, 135

■ 107, 120, 135

■ 12, 67, 135

■ 120, 127, 135

■ 0, 61, 135

■ 134, 135, 135

■ 147, 137, 135

■ 161, 141, 135

■ 174, 144, 135

■ 187, 147, 135

Harmonies

Analogous

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



69, 98, 124



66, 97, 135



80, 104, 145

Triad

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



66, 97, 135



140, 104, 126



88, 120, 82

Complementary

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



66, 97, 135



135, 82, 66

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.



136, 136, 84



66, 97, 135



147, 102, 109

Square

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



66, 97, 135



124, 108, 139



145, 108, 94



89, 120, 107

Rectangle

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



66, 97, 135



94, 110, 147



145, 108, 94



99, 126, 81

Sweetspot

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



66, 97, 135



150, 162, 176



66, 124, 135



73, 80, 89



217, 217, 217



89, 89, 89

Same Dimension

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



66, 97, 135



69, 117, 176



66, 83, 135



60, 63, 66



0, 58, 130



0, 1, 3

Inverse Universe

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



135, 66, 122



176, 69, 156



98, 135, 66



66, 60, 65



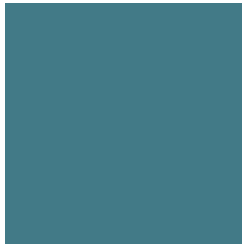
130, 0, 106



3, 0, 2

Previews

White Background



This preview shows how the RYB color 66, 97, 135 looks on a white background.

Color Contrast Check

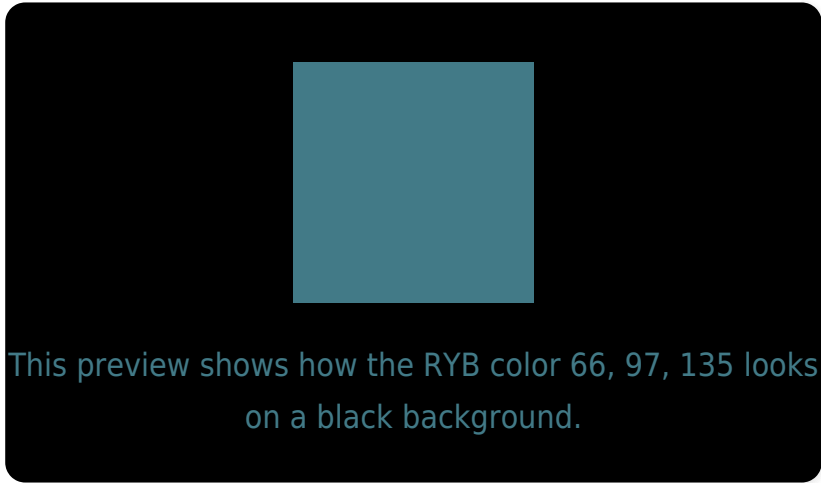
Large Text (above 18pt) WCAG AA ✓ Pass

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

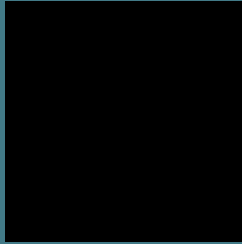
Any Text WCAG AA × Fail

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 Y B 66, 97, 135 Background



This preview shows how black text looks on a background with the R Y B color 66, 97, 135.



This preview shows how white text looks on a background with the R Y B color 66, 97, 135.

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
66, 97, 135

Protanopia
111, 113, 129

Deuteranopia
113, 111, 137



Tritanopia
65, 96, 133

Trichromacy



Original Color
66, 97, 135

Protanomaly
95, 108, 131

Deuteranomaly
96, 109, 136

Tritanomaly
65, 97, 134

Monochromacy



Original Color
66, 97, 135

Achromatopsia
107, 107, 107

Achromatomaly
92, 103, 117

CSS Examples

Text

The CSS property to change the color of the text to RYB 66, 97, 135 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(66, 122, 135)` looks like.

```
.text, #text, p{  
    color:rgb(66, 122, 135)  
}
```

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(66, 122, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 122, 135) }
```

Border

The CSS property to change the border of an element to RYB 66, 97, 135 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(66, 122, 135) }
```

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

```
.border{ border-color:rgb(66, 122, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 122, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 122, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 122, 135);  
box-shadow:4px 4px 4px 4px rgb(66, 122,  
135) }
```

Background

The CSS property to change the background color of an element to RYB 66, 97, 135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 122, 135) }
```

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

```
.background{ background-color: rgb(66, 122,  
135) }
```

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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