

Converting Colors

`RYB(84, 116, 147)`

Have a look what the booklet for
RYB(84, 116, 147) contains.

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Color

R_YB(84, 116, 147)

Conversions

Conversions Part 1

Format	Color
Hex	549391
RGB	84, 147, 145
RGB Percent	33%, 58%, 57%
CMY	0.6706, 0.4235, 0.4313
CMYK	0.43, 0.00, 0.01, 0.42
HSL	178°, 27%, 45%
HSV	178°, 43%, 58%
XYZ	19.2031, 24.7976, 30.5750
YIQ	127.9350, -36.9060, -13.9780

Conversions

Conversions Part 2

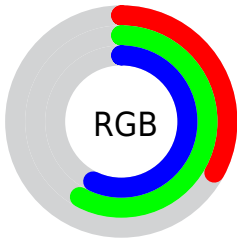
Format	Color
RYB	84, 116, 147
Decimal	5542801
CIELab	56.88, -20.74, -5.32
CIElCh	57, 21.407, 194.382
Yxy	24.7976, 0.2575, 0.3325
Android (android.graphics.Color)	4283732881 (0xFF549391)
YUV	127.9350, 8.4130, -38.5310
Hunter-Lab	49.7971, -18.3106, -1.5455

Details

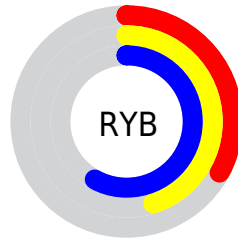
The RYB color **84, 116, 147** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **147, 84, 86**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **137, 170, 201**, and **29, 63, 96** is the 20% darker color. If you saturate the color by 10%, you get **69, 109, 147**, and if you desaturate by 10%, it is **99, 124, 147**.

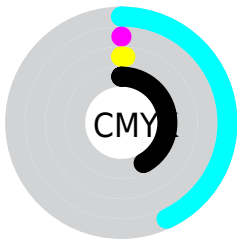
Distribution



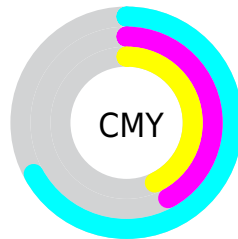
- Red (33%)
- Green (58%)
- Blue (57%)



- Red (33%)
- Yellow (45%)
- Blue (58%)



- Cyan (43%)
- Magenta (0%)
- Yellow (1%)
- Black (42%)



- Cyan (67%)
- Magenta (42%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 84, 116, 147 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 84, 116, 147 by changing the saturation by 10% instead.



84, 116, 147



84, 116, 147

255, 255, 255



58, 90, 121



137, 170, 201



29, 63, 96



165, 198, 229



0, 36, 72



193, 224, 255



0, 25, 49



221, 238, 255



0, 16, 30



250, 253, 255



0, 0, 0



84, 116, 147



84, 116, 147



69, 109, 147



99, 124, 147



55, 102, 147



113, 130, 147

■ 40, 94, 147

■ 128, 138, 147

■ 25, 87, 147

■ 143, 145, 147

■ 10, 80, 147

■ 157, 147, 147

■ 0, 75, 147

■ 172, 147, 148

■ 187, 147, 148

■ 202, 147, 149

■ 216, 147, 149

Harmonies

Analogous

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



99, 129, 146



84, 116, 147



84, 118, 162

Triad

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



84, 116, 147



150, 129, 163



152, 159, 101

Complementary

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



84, 116, 147



147, 84, 86

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.



171, 131, 111



84, 116, 147



168, 124, 147

Square

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



84, 116, 147



126, 134, 172



174, 123, 128



103, 141, 100

Rectangle

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



84, 116, 147



93, 123, 170



174, 123, 128



164, 151, 103

Sweetspot

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



84, 116, 147



166, 179, 191



84, 147, 145



81, 89, 97



224, 224, 224



97, 97, 97

Same Dimension

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



84, 116, 147



94, 143, 191



84, 106, 147



67, 71, 74



0, 70, 138



0, 5, 10

Inverse Universe

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



147, 84, 86



191, 94, 97



147, 138, 84



74, 67, 67



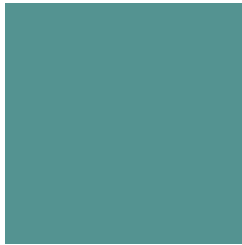
138, 0, 4



10, 0, 0

Previews

White Background



This preview shows how the RYB color 84, 116, 147 looks on a white 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

Black Background



This preview shows how the RYB color 84, 116, 147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

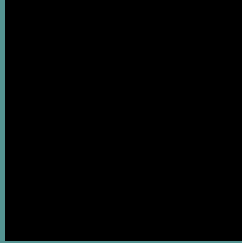
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

R Y B 84, 116, 147 Background



This preview shows how black text looks on a background with the R Y B color 84, 116, 147.



This preview shows how white text looks on a background with the R Y B color 84, 116, 147.

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

87, 119, 157

Trichromacy



Original Color
84, 116, 147

Protanomaly
118, 129, 141

Deuteranomaly
122, 131, 147

Tritanomaly
86, 118, 153

Monochromacy



Original Color
84, 116, 147

Achromatopsia
128, 128, 128

Achromatomaly
112, 124, 135

CSS Examples

Text

The CSS property to change the color of the text to RYB 84, 116, 147 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(84, 147, 145)` looks like.

```
.text, #text, p{  
    color:rgb(84, 147, 145)  
}
```

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(84, 147, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 147, 145) }
```

Border

The CSS property to change the border of an element to RYB 84, 116, 147 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(84, 147, 145) }
```

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

```
.border{ border-color:rgb(84, 147, 145) }
```

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

Here you see how a box with a 4 pixel rgb(84, 147, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 147, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 147, 145);  
box-shadow:4px 4px 4px 4px rgb(84, 147,  
145) }
```

Background

The CSS property to change the background color of an element to RGB 84, 116, 147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 147, 145) }
```

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

```
.background{ background-color: rgb(84, 147,  
145) }
```

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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