

Converting Colors

`RYB(34, 87, 127)`

Have a look what the booklet for
RYB(34, 87, 127) contains.

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Color

R_YB(34, 87, 127)

Conversions

Conversions Part 1

Format	Color
Hex	227F68
RGB	34, 127, 104
RGB Percent	13%, 50%, 41%
CMY	0.8667, 0.5020, 0.5914
CMYK	0.73, 0.00, 0.18, 0.50
HSL	165°, 58%, 32%
HSV	165°, 73%, 50%
XYZ	10.7573, 16.5221, 15.7691
YIQ	96.5710, -48.0450, -26.8690

Conversions

Conversions Part 2

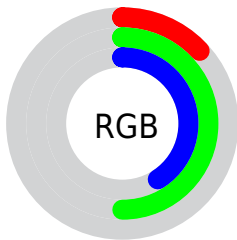
Format	Color
RYB	34, 87, 127
Decimal	2260840
CIELab	47.65, -32.51, 4.72
CIELCh	48, 32.846, 171.746
Yxy	16.5221, 0.2499, 0.3838
Android (android.graphics.Color)	4280450920 (0xFF227F68)
YUV	96.5710, 3.6625, -54.8748
Hunter-Lab	40.6474, -23.8930, 5.4517

Details

The RYB color **34, 87, 127** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **127, 34, 57**, and the grayscale version is **97, 97, 97**.

A 20% lighter version of the original color is **93, 144, 180**, and **0, 44, 77** is the 20% darker color. If you saturate the color by 10%, you get **21, 81, 127**, and if you desaturate by 10%, it is **47, 93, 127**.

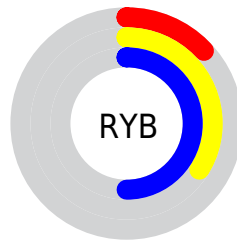
Distribution



Red (13%)

Green (50%)

Blue (41%)



Red (13%)

Yellow (34%)

Blue (50%)

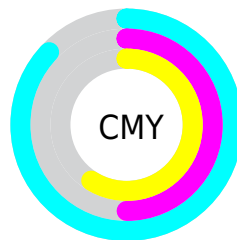


Cyan (73%)

Magenta (0%)

Yellow (18%)

Black (50%)



Cyan (87%)

Magenta (50%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 34, 87, 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 34, 87, 127 by changing the saturation by 10% instead.



34, 87, 127



34, 87, 127

255, 255, 255



0, 57, 102



93, 144, 180



0, 44, 77



121, 172, 208



0, 32, 53



148, 200, 237



0, 24, 34



177, 221, 255



0, 0, 0



205, 230, 255



234, 245, 255



34, 87, 127



34, 87, 127



21, 81, 127



47, 93, 127

■ 9, 76, 127

■ 59, 98, 127

■ 0, 72, 127

■ 72, 103, 127

■ 85, 109, 127

■ 98, 114, 127

■ 110, 120, 127

■ 123, 125, 127

■ 136, 127, 129

■ 148, 127, 132

Harmonies

Analogous

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



78, 124, 124



34, 87, 127



0, 65, 133

Triad

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



34, 87, 127



104, 109, 164



157, 113, 71

Complementary

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



34, 87, 127



127, 34, 57

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.



166, 92, 94



34, 87, 127



140, 98, 148

Square

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



34, 87, 127



52, 94, 167



161, 91, 122



101, 137, 58

Rectangle

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



34, 87, 127



0, 68, 149



161, 91, 122



161, 101, 78

Sweetspot

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



34, 87, 127



129, 150, 166



34, 127, 104



62, 74, 84



212, 212, 212



84, 84, 84

Same Dimension

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



34, 87, 127



20, 103, 166



34, 74, 127



57, 61, 64



0, 73, 128



0, 0, 0

Inverse Universe

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



127, 34, 57



166, 20, 56



127, 65, 34



64, 57, 59



128, 0, 31



0, 0, 0

Previews

White Background



This preview shows how the RYB color 34, 87, 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



This preview shows how the RYB color 34, 87, 127 looks on a 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 34, 87, 127 Background



This preview shows how black text looks on a background with the R Y B color 34, 87, 127.

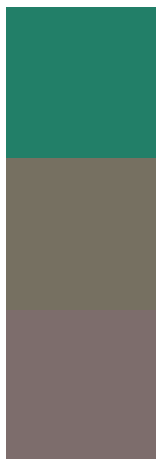


This preview shows how white text looks on a background with the R Y B color 34, 87, 127.

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

[34, 87, 127](#)

Protanopia

[105, 118, 97](#)

Deuteranopia

[125, 109, 108](#)



Tritanopia
49, 88, 133

Trichromacy



Original Color

34, 87, 127

Protanomaly

87, 108, 117

Deuteranomaly

92, 107, 116

Tritanomaly

44, 84, 124

Monochromacy



Original Color

34, 87, 127

Achromatopsia

97, 97, 97

Achromatomaly

74, 93, 108

CSS Examples

Text

The CSS property to change the color of the text to RYB 34, 87, 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(34, 127, 104)` looks like.

```
.text, #text, p{  
    color:rgb(34, 127, 104)  
}
```

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(34, 127, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 127, 104) }
```

Border

The CSS property to change the border of an element to RYB 34, 87, 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(34, 127, 104) }
```

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

```
.border{ border-color:rgb(34, 127, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 127, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 127, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 127, 104);  
box-shadow:4px 4px 4px 4px rgb(34, 127,  
104) }
```

Background

The CSS property to change the background color of an element to RYB 34, 87, 127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 127, 104) }
```

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

```
.background{ background-color: rgb(34, 127,  
104) }
```

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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