

Converting Colors

`RYB(84, 108, 120)`

Have a look what the booklet for
RYB(84, 108, 120) contains.

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Color

R_YB(84, 108, 120)

Conversions

Conversions Part 1

Format	Color
Hex	547866
RGB	84, 120, 102
RGB Percent	33%, 47%, 40%
CMY	0.6706, 0.5294, 0.6000
CMYK	0.30, 0.00, 0.15, 0.53
HSL	150°, 18%, 40%
HSV	150°, 30%, 47%
XYZ	12.7709, 16.2771, 15.0391
YIQ	107.1840, -15.6780, -13.2300

Conversions

Conversions Part 2

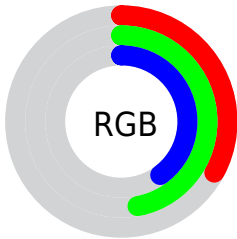
Format	Color
R _Y B	84, 108, 120
Decimal	5535846
CIE Lab	47.34, -16.91, 5.82
CIE LCh	47, 17.879, 161.015
Yxy	16.2771, 0.2897, 0.3692
Android (android.graphics.Color)	4283725926 (0xFF547866)
YUV	107.1840, -2.5557, -20.3324
Hunter-Lab	40.3448, -14.1005, 6.1403

Details

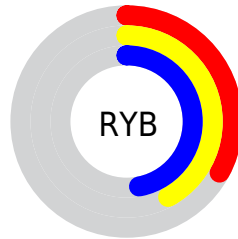
The RYB color **84, 108, 120** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **120, 84, 102**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **135, 160, 172**, and **37, 59, 71** is the 20% darker color. If you saturate the color by 10%, you get **72, 104, 120**, and if you desaturate by 10%, it is **96, 112, 120**.

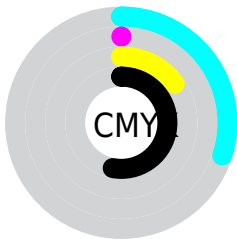
Distribution



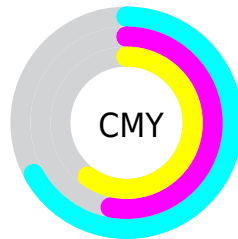
- Red (33%)
- Green (47%)
- Blue (40%)



- Red (33%)
- Yellow (42%)
- Blue (47%)



- Cyan (30%)
- Magenta (0%)
- Yellow (15%)
- Black (53%)



- Cyan (67%)
- Magenta (53%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 84, 108, 120 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, 108, 120 by changing the saturation by 10% instead.



84, 108, 120



84, 108, 120

255, 255, 255



60, 83, 95



135, 160, 172



37, 59, 71



161, 187, 200



14, 36, 49



188, 215, 228



0, 21, 29



216, 242, 255



0, 0, 0



245, 250, 255



84, 108, 120



84, 108, 120



72, 104, 120



96, 112, 120



60, 100, 120



108, 116, 120

■ 48, 96, 120

■ 120, 120, 120

■ 36, 92, 120

■ 132, 120, 126

■ 24, 88, 120

■ 144, 120, 132

■ 12, 84, 120

■ 156, 120, 138

■ 0, 80, 120

■ 168, 120, 144

■ 180, 120, 150

■ 192, 120, 156

Harmonies

Analogous

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



89, 117, 105



84, 108, 120



71, 97, 121

Triad

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



84, 108, 120



102, 110, 142



141, 107, 93

Complementary

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



84, 108, 120



120, 84, 102

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.



143, 101, 107



84, 108, 120



122, 107, 135

Square

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



84, 108, 120



82, 103, 140



136, 103, 122



132, 132, 84

Rectangle

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



84, 108, 120



69, 96, 127



136, 103, 122



142, 104, 97

Sweetspot

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



84, 108, 120



142, 151, 156



84, 120, 102



70, 76, 79



207, 207, 207



79, 79, 79

Same Dimension

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



84, 108, 120



100, 137, 156



84, 102, 120



55, 59, 61



0, 84, 125



0, 168, 252

Inverse Universe

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



120, 84, 102



156, 100, 128



120, 84, 84



61, 55, 58



125, 0, 62



252, 0, 126

Previews

White Background



This preview shows how the RYB color 84, 108, 120 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 84, 108, 120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

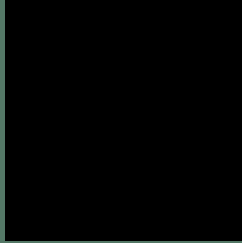
Any Text WCAG AA × Fail

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 84, 108, 120 Background



This preview shows how black text looks on a background with the R Y B color 84, 108, 120.

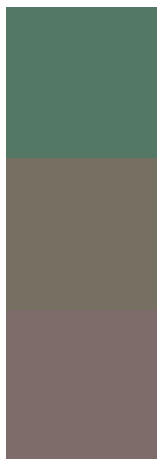


This preview shows how white text looks on a background with the R Y B color 84, 108, 120.

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

84, 108, 120

Protanopia

105, 117, 98

Deuteranopia

125, 109, 105



Tritanopia
89, 105, 126

Trichromacy



Original Color
84, 108, 120

Protanomaly
99, 115, 109

Deuteranomaly
104, 112, 106

Tritanomaly
87, 103, 118

Monochromacy



Original Color
84, 108, 120

Achromatopsia
107, 107, 107

Achromatomaly
99, 108, 112

CSS Examples

Text

The CSS property to change the color of the text to RYB 84, 108, 120 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, 120, 102)` looks like.

```
.text, #text, p{  
    color:rgb(84, 120, 102)  
}
```

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, 120, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 120, 102) }
```

Border

The CSS property to change the border of an element to RYB 84, 108, 120 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, 120, 102) }
```

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

```
.border{ border-color:rgb(84, 120, 102) }
```

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

Here you see how a box with a 4 pixel rgb(84, 120, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 120, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 120, 102);  
box-shadow:4px 4px 4px 4px rgb(84, 120,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 84, 108, 120 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 120, 102) }
```

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

```
.background{ background-color: rgb(84, 120,  
102) }
```

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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