

Converting Colors

`RYB(84, 113, 100)`

Have a look what the booklet for
RYB(84, 113, 100) contains.

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Color

R_YB(84, 113, 100)

Conversions

Conversions Part 1

Format	Color
Hex	617154
RGB	97, 113, 84
RGB Percent	38%, 44%, 33%
CMY	0.6196, 0.5569, 0.6706
CMYK	0.14, 0.00, 0.26, 0.56
HSL	93°, 15%, 39%
HSV	93°, 26%, 44%
XYZ	12.4351, 14.9917, 10.6258
YIQ	104.9100, -0.2270, -12.4110

Conversions

Conversions Part 2

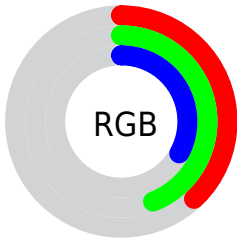
Format	Color
RYB	84, 113, 100
Decimal	6386004
CIELab	45.62, -11.79, 14.17
CIELCh	46, 18.429, 129.762
Yxy	14.9917, 0.3268, 0.3940
Android (android.graphics.Color)	4284576084 (0xFF617154)
YUV	104.9100, -10.3086, -6.9371
Hunter-Lab	38.7192, -10.4311, 10.8323

Details

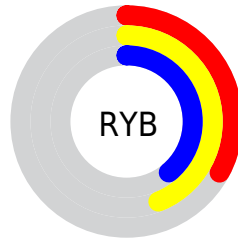
The RYB color **84, 113, 100** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **100, 84, 113**, and the grayscale version is **105, 105, 105**.

A 20% lighter version of the original color is **134, 165, 151**, and **39, 65, 54** is the 20% darker color. If you saturate the color by 10%, you get **73, 113, 95**, and if you desaturate by 10%, it is **95, 113, 105**.

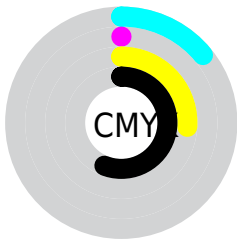
Distribution



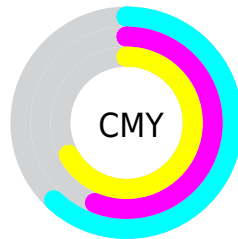
- Red (38%)
- Green (44%)
- Blue (33%)



- Red (33%)
- Yellow (44%)
- Blue (39%)



- Cyan (14%)
- Magenta (0%)
- Yellow (26%)
- Black (56%)



- Cyan (62%)
- Magenta (56%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 84, 113, 100 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, 113, 100 by changing the saturation by 10% instead.



84, 113, 100



84, 113, 100

255, 255, 255



61, 89, 77



134, 165, 151



39, 65, 54



160, 192, 177



18, 43, 32



187, 220, 205



0, 23, 22



215, 248, 233



0, 0, 0



243, 255, 243



84, 113, 100



84, 113, 100



73, 113, 95



95, 113, 105



61, 113, 89



107, 113, 111

■ 50, 113, 85

■ 116, 113, 118

■ 39, 113, 80

■ 122, 113, 129

■ 28, 113, 75

■ 128, 113, 141

■ 16, 113, 69

■ 134, 113, 152

■ 5, 113, 65

■ 141, 113, 163

■ 0, 113, 62

■ 147, 113, 174

■ 153, 113, 186

Harmonies

Analogous

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



84, 114, 78



84, 113, 100



80, 104, 116

Triad

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



84, 113, 100



75, 98, 136



139, 97, 103

Complementary

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



84, 113, 100



100, 84, 113

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.



132, 98, 119



84, 113, 100



96, 105, 138

Square

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



84, 113, 100



63, 92, 127



117, 102, 132



137, 102, 89

Rectangle

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



84, 113, 100



70, 96, 117



117, 102, 132



138, 97, 109

Sweetspot

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



84, 113, 100



136, 148, 143



108, 113, 84



67, 74, 71



201, 201, 201



74, 74, 74

Same Dimension

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



84, 113, 100



102, 148, 127



84, 112, 113



50, 56, 53



0, 120, 66



0, 247, 136

Inverse Universe

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



100, 84, 113



127, 102, 148



113, 84, 112



54, 50, 56



66, 0, 120



136, 0, 247

Previews

White Background



This preview shows how the RYB color 84, 113, 100 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, 113, 100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

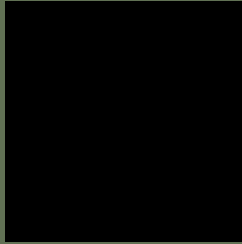
Any Text WCAG AA × Fail

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, 113, 100 Background



This preview shows how black text looks on a background with the R/Y/B color 84, 113, 100.



This preview shows how white text looks on a background with the R/Y/B color 84, 113, 100.

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

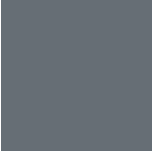
84, 113, 100

Protanopia

91, 115, 82

Deuteranopia

126, 119, 86



Tritanopia
102, 107, 117

Trichromacy



Original Color

84, 113, 100

Protanomaly

83, 110, 85

Deuteranomaly

96, 115, 85

Tritanomaly

100, 107, 110

Monochromacy



Original Color

84, 113, 100

Achromatopsia

105, 105, 105

Achromatomaly

97, 108, 103

CSS Examples

Text

The CSS property to change the color of the text to RYB 84, 113, 100 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(97, 113, 84) looks like.

```
.text, #text, p{  
    color:rgb(97, 113, 84)  
}
```

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(97, 113, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 113, 84) }
```

Border

The CSS property to change the border of an element to RYB 84, 113, 100 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(97, 113, 84) }
```

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

```
.border{ border-color:rgb(97, 113, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 113, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 113, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 113, 84);  
box-shadow:4px 4px 4px 4px rgb(97, 113,  
84) }
```

Background

The CSS property to change the background color of an element to RYB 84, 113, 100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 113, 84) }
```

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

```
.background{ background-color: rgb(97, 113,  
84) }
```

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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