

Converting Colors

`RYB(75, 128, 113)`

Have a look what the booklet for
RYB(75, 128, 113) contains.

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Color

R_YB(75, 128, 113)

Conversions

Conversions Part 1

Format	Color
Hex	5A804B
RGB	90, 128, 75
RGB Percent	35%, 50%, 29%
CMY	0.6471, 0.4980, 0.7059
CMYK	0.30, 0.00, 0.41, 0.50
HSL	103°, 26%, 40%
HSV	103°, 41%, 50%
XYZ	13.2056, 18.1200, 9.4581
YIQ	110.5960, -5.6350, -24.5390

Conversions

Conversions Part 2

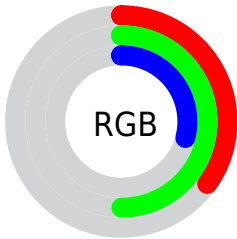
Format	Color
RYB	75, 128, 113
Decimal	5931083
CIELab	49.64, -23.97, 24.60
CIELCh	50, 34.347, 134.258
Yxy	18.1200, 0.3238, 0.4443
Android (android.graphics.Color)	4284121163 (0xFF5A804B)
YUV	110.5960, -17.5488, -18.0627
Hunter-Lab	42.5676, -19.1178, 16.6236

Details

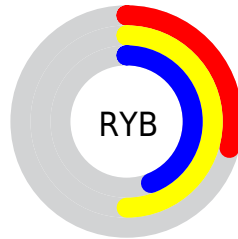
The RYB color **75, 128, 113** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **113, 75, 128**, and the grayscale version is **111, 111, 111**.

A 20% lighter version of the original color is **125, 181, 165**, and **29, 78, 65** is the 20% darker color. If you saturate the color by 10%, you get **62, 128, 109**, and if you desaturate by 10%, it is **88, 128, 117**.

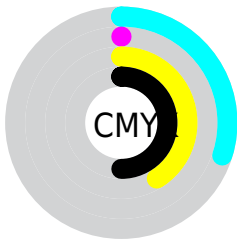
Distribution



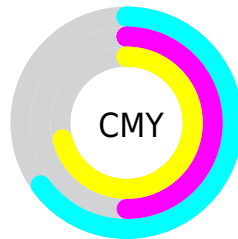
- Red (35%)
- Green (50%)
- Blue (29%)



- Red (29%)
- Yellow (50%)
- Blue (44%)



- Cyan (30%)
- Magenta (0%)
- Yellow (41%)
- Black (50%)



- Cyan (65%)
- Magenta (50%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RYB color 75, 128, 113 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 75, 128, 113 by changing the saturation by 10% instead.

 75, 128, 113  75, 128, 113

255, 255, 255  52, 103, 90


 125, 181, 165  29, 78, 65

 151, 209, 192  6, 55, 43

 177, 237, 218  0, 34, 34

 205, 255, 236  0, 0, 0

 233, 255, 235

 75, 128, 113  75, 128, 113

 62, 128, 109  88, 128, 117

 49, 128, 105  101, 128, 121

■ 37, 128, 103

■ 113, 128, 123

■ 24, 128, 99

■ 126, 128, 127

■ 11, 128, 95

■ 136, 128, 139

■ 0, 128, 92

■ 145, 128, 152

■ 154, 128, 165

■ 163, 128, 177

■ 173, 128, 190

Harmonies

Analogous

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



62, 123, 60



75, 128, 113



48, 100, 132

Triad

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



75, 128, 113



31, 88, 174



174, 95, 105

Complementary

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



75, 128, 113



113, 75, 128

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.



165, 96, 135



75, 128, 113



96, 112, 174

Square

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



75, 128, 113



0, 72, 158



139, 105, 160



168, 108, 79

Rectangle

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



75, 128, 113



0, 70, 133



139, 105, 160



173, 94, 115

Sweetspot

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



75, 128, 113



146, 166, 161



96, 128, 75



72, 84, 80



212, 212, 212



84, 84, 84

Same Dimension

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



75, 128, 113



83, 166, 143



75, 119, 128



57, 64, 62



0, 128, 92



0, 0, 0

Inverse Universe

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



113, 75, 128



142, 83, 166



128, 75, 117



62, 57, 64



91, 0, 128



0, 0, 0

Previews

White Background



This preview shows how the RYB color 75, 128, 113 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 75, 128, 113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

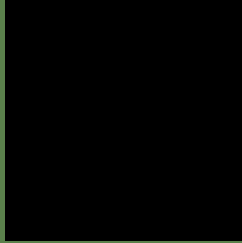
Any Text WCAG AA ✓ Pass

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 75, 128, 113 Background



This preview shows how black text looks on a background with the R Y B color 75, 128, 113.



This preview shows how white text looks on a background with the R Y B color 75, 128, 113.

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

75, 128, 113

Protanopia

85, 129, 71

Deuteranopia

133, 141, 79



Tritanopia
99, 112, 131

Trichromacy



Original Color

75, 128, 113

Protanomaly

72, 122, 79

Deuteranomaly

82, 122, 78

Tritanomaly

96, 114, 124

Monochromacy



Original Color

75, 128, 113

Achromatopsia

111, 111, 111

Achromatomaly

98, 117, 112

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 128, 113 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(90, 128, 75)` looks like.

```
.text, #text, p{  
    color:rgb(90, 128, 75)  
}
```

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(90, 128, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 128, 75) }
```

Border

The CSS property to change the border of an element to RYB 75, 128, 113 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(90, 128, 75) }
```

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

```
.border{ border-color:rgb(90, 128, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 128, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 128, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 128, 75);  
box-shadow:4px 4px 4px 4px rgb(90, 128,  
75) }
```

Background

The CSS property to change the background color of an element to RGB 75, 128, 113 is called "background".

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

```
.background, #background, body{  
background: rgb(90, 128, 75) }
```

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

```
.background{ background-color: rgb(90, 128,  
75) }
```

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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