Converting Colors

RYB(73, 112, 120)

Have a look what the booklet for RYB(73, 112, 120) contains.

Color

RYB(73, 112, 120)

Conversions

Conversions Part 1

Format	Color
Hex	497853
RGB	73, 120, 83
RGB Percent	29%, 47%, 33%
CMY	0.7137, 0.5294, 0.6759
CMYK	0.39, 0.00, 0.31, 0.53
HSL	132°, 24%, 38%
HSV	132°, 39%, 47%
XYZ	11.0116, 15.4684, 10.5165
YIQ	101.7290, -16.1350, -21.4710

Conversions

Conversions Part 2

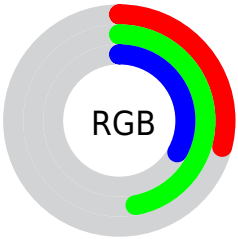
Format	Color
RYB	73, 112, 120
Decimal	4814931
CIELab	46.27, -24.65, 15.60
CIELCh	46, 29.174, 147.679
Yxy	15.4684, 0.2976, 0.4181
Android (android.graphics.Color)	4283005011 (0xFF497853)
YUV	101.7290, -9.2334, -25.1953
Hunter-Lab	39.3299, -18.8507, 11.6773

Details

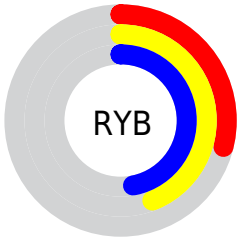
The RYB color 73, 112, 120 is a dark color, and the websafe version is hex 336633. A complement of this color would be 120, 73, 110, and the grayscale version is 102, 102, 102.

A 20% lighter version of the original color is 124, 165, 173, and 24, 60, 71 is the 20% darker color. If you saturate the color by 10%, you get 61, 110, 120, and if you desaturate by 10%, it is 85, 114, 120.

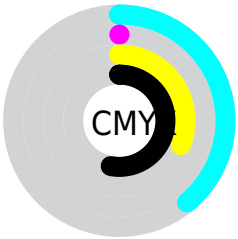
Distribution



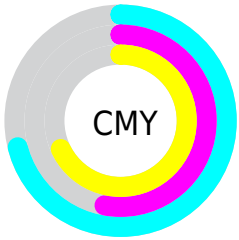
- Red (29%)
- Green (47%)
- Blue (33%)



- Red (29%)
- Yellow (44%)
- Blue (47%)



- Cyan (39%)
- Magenta (0%)
- Yellow (31%)
- Black (53%)



- Cyan (71%)
- Magenta (53%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the RYB color 73, 112, 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 73, 112, 120 by changing the saturation by 10% instead.

73, 112, 120	73, 112, 120
255, 255, 255	49, 87, 95
124, 166, 173	24, 61, 71
150, 192, 200	0, 35, 48
177, 221, 228	0, 29, 29
205, 248, 255	0, 0, 0
234, 249, 255	

73, 112, 120	73, 112, 120
61, 110, 120	85, 114, 120
49, 108, 120	97, 116, 120

37, 106, 120

25, 104, 120

13, 102, 120

1, 100, 120

0, 99, 120

109, 118, 120

121, 120, 121

133, 120, 130

145, 120, 140

157, 120, 149

169, 120, 159

181, 120, 168

Harmonies

Analogous

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

65, 115, 78

73, 112, 120

37, 84, 122

Triad

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

73, 112, 120

69, 98, 158

156, 92, 88

Complementary

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

73, 112, 120

120, 73, 110

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.

154, 90, 112

73, 112, 120

109, 104, 153

Square

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

73, 112, 120

13, 73, 150

139, 95, 136

146, 118, 69

Rectangle

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

73, 112, 120

0, 62, 124

139, 95, 136

157, 91, 96

Sweetspot

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

73, 112, 120

137, 153, 156

73, 120, 82

68, 77, 79

207, 207, 207

79, 79, 79

Same Dimension

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

73, 112, 120

82, 144, 156

73, 101, 120

55, 60, 61

0, 103, 125

0, 209, 252

Inverse Universe

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

120, 73, 110

156, 82, 141

120, 73, 87

61, 55, 60

125, 0, 99

252, 0, 201

Previews

White Background

This preview shows how the RYB color 73, 112, 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

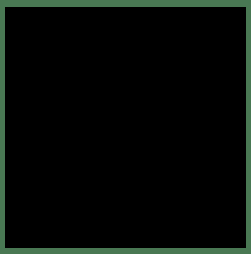
This preview shows how the RYB color 73, 112, 120 looks on a black background.

Color Contrast Check

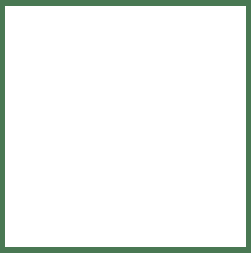
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 73, 112, 120 Background



This preview shows how black text looks on a background with the RYB color 73, 112, 120.



This preview shows how white text looks on a background with the RYB color 73, 112, 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
73, 112, 120

Protanopia
90, 118, 78

Deuteranopia
128, 121, 86

Tritanopia
82, 100, 124

Trichromacy

Original Color
73, 112, 120

Protanomaly
80, 113, 91

Deuteranomaly
85, 110, 87

Tritanomaly
79, 100, 117

Monochromacy

Original Color
73, 112, 120

Achromatopsia
102, 102, 102

Achromatomaly
91, 106, 109

CSS Examples

Text

The CSS property to change the color of the text to RYB 73, 112, 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(73, 120, 83) looks like.

```
.text, #text, p{
    color:rgb(73, 120, 83)
}
```

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(73, 120, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 120, 83) }
```

Border

The CSS property to change the border of an element to RYB 73, 112, 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(73, 120, 83) }
```

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

```
.border{ border-color:rgb(73, 120, 83) }
```

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

Here you see how a box with a 4 pixel rgb(73, 120, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(73, 120, 83); -webkit-box-shadow:4px 4px 4px 4px rgb(73, 120, 83); box-shadow:4px 4px 4px 4px rgb(73, 120, 83) }
```

Background

The CSS property to change the background color of an element to RYB 73, 112, 120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(73, 120, 83) }
```

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

```
.background{ background-color:rgb(73, 120,
83) }
```

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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