

Converting Colors

R_YB(70, 72, 112)

Have a look what the booklet for
RYB(70, 72, 112) contains.

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Color

R_YB(70, 72, 112)

Conversions

Conversions Part 1

Format	Color
Hex	464870
RGB	70, 72, 112
RGB Percent	27%, 28%, 44%
CMY	0.7255, 0.7173, 0.5608
CMYK	0.37, 0.36, 0.00, 0.56
HSL	237°, 23%, 36%
HSV	237°, 37%, 44%
XYZ	7.7743, 7.1196, 16.2937
YIQ	75.9620, -14.0320, 12.0160

Conversions

Conversions Part 2

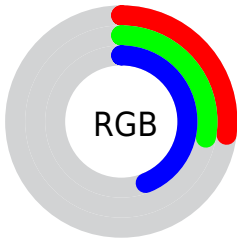
Format	Color
R_{YB}	70, 72, 112
Decimal	4606064
CIE Lab	32.08, 9.81, -23.29
CIE LCh	32, 25.271, 292.843
Yxy	7.1196, 0.2493, 0.2283
Android (android.graphics.Color)	4282796144 (0xFF464870)
YUV	75.9620, 17.7667, -5.2287
Hunter-Lab	26.6826, 5.3133, -17.5276

Details

The RYB color **70, 72, 112** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **72, 112, 70**, and the grayscale version is **76, 76, 76**.

A 20% lighter version of the original color is **120, 120, 164**, and **23, 28, 64** is the 20% darker color. If you saturate the color by 10%, you get **59, 61, 112**, and if you desaturate by 10%, it is **81, 83, 112**.

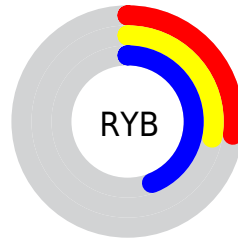
Distribution



Red (27%)

Green (28%)

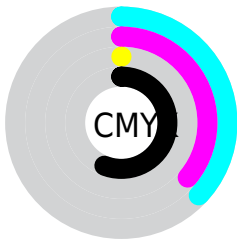
Blue (44%)



Red (27%)

Yellow (28%)

Blue (44%)

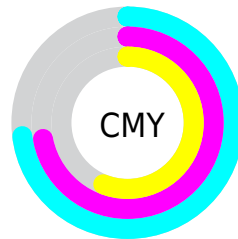


Cyan (37%)

Magenta (36%)

Yellow (0%)

Black (56%)



Cyan (73%)

Magenta (72%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 70, 72, 112 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 70, 72, 112 by changing the saturation by 10% instead.



70, 72, 112



70, 72, 112

255, 255, 255



46, 50, 87



120, 120, 164



23, 28, 64



146, 146, 191



1, 3, 42



173, 173, 219



0, 1, 20



201, 200, 248



0, 0, 0



229, 228, 255



70, 72, 112



70, 72, 112



59, 61, 112



81, 83, 112



48, 51, 112



92, 93, 112

■ 36, 40, 112

■ 104, 104, 112

■ 25, 30, 112

■ 112, 115, 112

■ 14, 19, 112

■ 113, 126, 112

■ 3, 8, 112

■ 113, 137, 112

■ 0, 6, 112

■ 113, 148, 112

■ 115, 160, 112

■ 115, 171, 112

Harmonies

Analogous

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



32, 62, 115



70, 72, 112



96, 65, 100

Triad

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



70, 72, 112



106, 78, 44



16, 55, 85

Complementary

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



70, 72, 112



72, 112, 70

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.



49, 81, 83



70, 72, 112



65, 92, 36

Square

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



70, 72, 112



113, 60, 61



38, 79, 44



0, 44, 90

Rectangle

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



70, 72, 112



107, 61, 88



38, 79, 44



30, 64, 85

Sweetspot

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



70, 72, 112



129, 130, 145



70, 92, 112



64, 65, 74



201, 201, 201



74, 74, 74

Same Dimension

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



70, 72, 112



80, 83, 145



89, 70, 112



50, 51, 56



0, 6, 120



0, 11, 247

Inverse Universe

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



112, 70, 72



145, 80, 83



70, 112, 89



56, 50, 51



120, 0, 6



247, 0, 12

Previews

White Background



This preview shows how the RYB color 70, 72, 112 looks on a white background.

Color Contrast Check

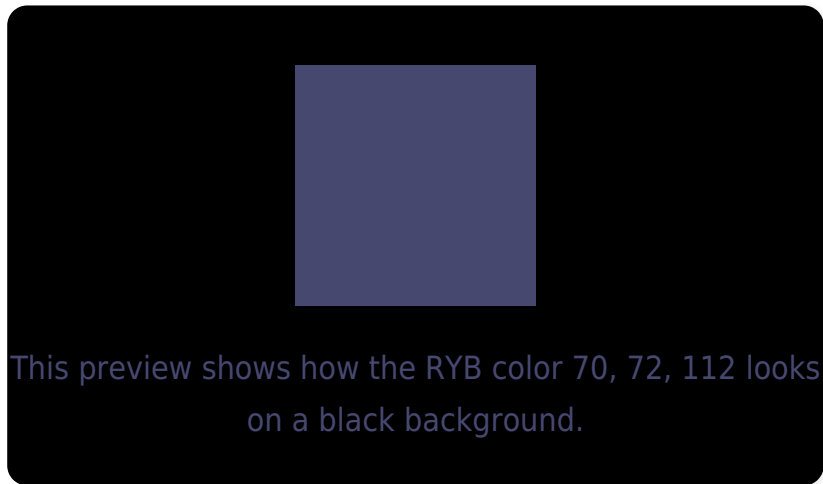
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

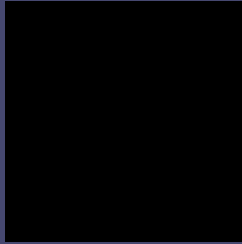
Any Text WCAG AA × Fail

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](#).

RYP 70, 72, 112 Background



This preview shows how black text looks on a background with the RYB color 70, 72, 112.

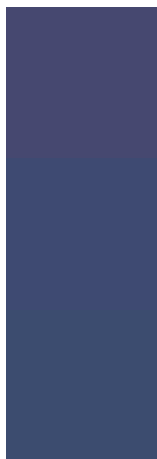


This preview shows how white text looks on a background with the RYB color 70, 72, 112.

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

70, 72, 112

Protanopia

62, 72, 114

Deuteranopia

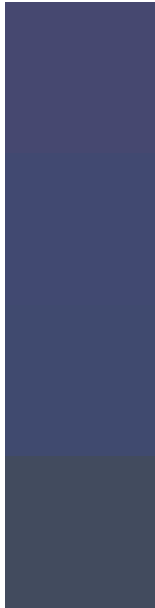
60, 72, 111



Tritanopia

63, 72, 84

Trichromacy



Original Color

70, 72, 112

Protanomaly

65, 72, 113

Deuteranomaly

64, 72, 111

Tritanomaly

66, 73, 94

Monochromacy



Original Color

70, 72, 112

Achromatopsia

76, 76, 76

Achromatomaly

74, 75, 89

CSS Examples

Text

The CSS property to change the color of the text to RYB 70, 72, 112 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(70, 72, 112) looks like.

```
.text, #text, p{  
    color:rgb(70, 72, 112)  
}
```

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(70, 72, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 72, 112) }
```

Border

The CSS property to change the border of an element to RYB 70, 72, 112 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(70, 72, 112) }
```

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

```
.border{ border-color:rgb(70, 72, 112) }
```

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

Here you see how a box with a 4 pixel rgb(70, 72, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 72, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 72, 112);  
box-shadow:4px 4px 4px 4px rgb(70, 72,  
112) }
```

Background

The CSS property to change the background color of an element to RYB 70, 72, 112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 72, 112) }
```

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

```
.background{ background-color: rgb(70, 72,  
112) }
```

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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