

Converting Colors

`RYB(74, 84, 120)`

Have a look what the booklet for
RYB(74, 84, 120) contains.

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Color

R_YB(74, 84, 120)

Conversions

Conversions Part 1

Format	Color
Hex	4A5778
RGB	74, 87, 120
RGB Percent	29%, 34%, 47%
CMY	0.7098, 0.6597, 0.5294
CMYK	0.38, 0.28, 0.00, 0.53
HSL	223°, 24%, 38%
HSV	223°, 38%, 47%
XYZ	9.6044, 9.5924, 19.1146
YIQ	86.8750, -18.3410, 7.5070

Conversions

Conversions Part 2

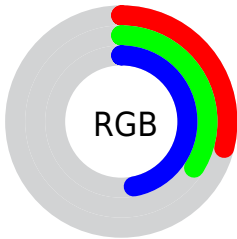
Format	Color
R_YB	74, 84, 120
Decimal	4872056
CIE _{Lab}	37.10, 4.01, -20.43
CIE _{LCh}	37, 20.822, 281.093
Yxy	9.5924, 0.2507, 0.2504
Android (android.graphics.Color)	4283062136 (0xFF4A5778)
YUV	86.8750, 16.3306, -11.2914
Hunter-Lab	30.9716, 1.1535, -14.9117

Details

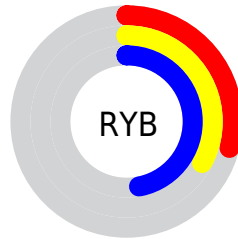
The RYB color **74, 84, 120** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **92, 120, 74**, and the grayscale version is **87, 87, 87**.

A 20% lighter version of the original color is **124, 134, 172**, and **26, 38, 71** is the 20% darker color. If you saturate the color by 10%, you get **62, 75, 120**, and if you desaturate by 10%, it is **86, 93, 120**.

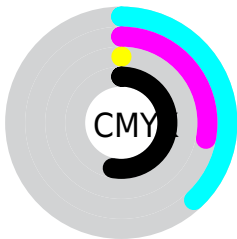
Distribution



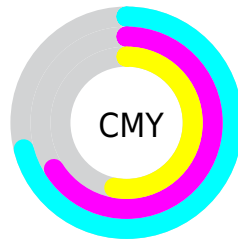
- Red (29%)
- Green (34%)
- Blue (47%)



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



- Cyan (38%)
- Magenta (28%)
- Yellow (0%)
- Black (53%)



- Cyan (71%)
- Magenta (66%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 74, 84, 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 74, 84, 120 by changing the saturation by 10% instead.

■ 74, 84, 120

■ 74, 84, 120

255, 255, 255

■ 50, 61, 95

■ 124, 134, 172

■ 26, 38, 71

■ 151, 161, 200

■ 1, 16, 49

■ 178, 188, 228

■ 0, 1, 28

■ 206, 215, 255

■ 0, 0, 0

■ 234, 242, 255

■ 74, 84, 120

■ 74, 84, 120

■ 62, 75, 120

■ 86, 93, 120

■ 50, 65, 120

■ 98, 103, 120

■ 38, 56, 120

■ 110, 112, 120

■ 26, 46, 120

■ 122, 122, 120

■ 14, 37, 120

■ 126, 134, 120

■ 2, 28, 120

■ 130, 146, 120

■ 0, 26, 120

■ 135, 158, 120

■ 139, 170, 120

■ 143, 182, 120

Harmonies

Analogous

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



48, 75, 119



74, 84, 120



97, 81, 113

Triad

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



74, 84, 120



118, 80, 66



54, 82, 96

Complementary

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



74, 84, 120



92, 120, 74

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.



62, 93, 81



74, 84, 120



104, 108, 56

Square

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



74, 84, 120



120, 75, 82



60, 93, 54



35, 66, 96

Rectangle

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



74, 84, 120



109, 77, 104



60, 93, 54



61, 87, 95

Sweetspot

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



74, 84, 120



137, 141, 156



74, 101, 120



68, 70, 79



207, 207, 207



79, 79, 79

Same Dimension

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



74, 84, 120



84, 100, 156



84, 74, 120



55, 57, 61



0, 27, 125



0, 55, 252

Inverse Universe

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



120, 74, 87



156, 84, 104



74, 120, 84



61, 55, 57



125, 0, 35



252, 0, 70

Previews

White Background



This preview shows how the RYB color 74, 84, 120 looks on a white background.

Color Contrast Check

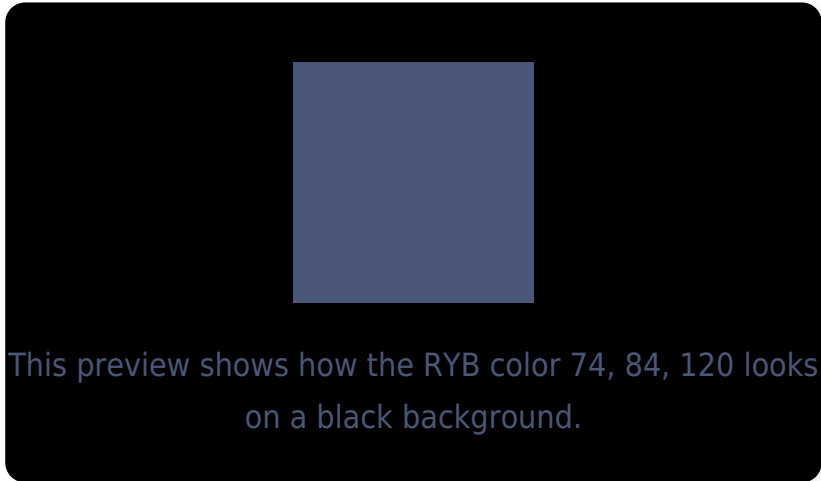
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

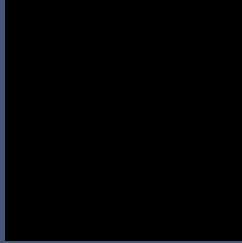
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

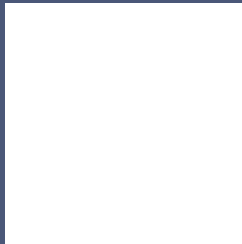
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 74, 84, 120 Background



This preview shows how black text looks on a background with the RYB color 74, 84, 120.

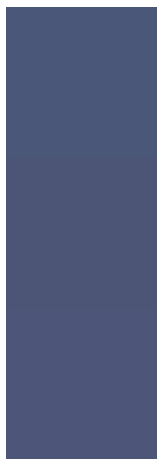


This preview shows how white text looks on a background with the RYB color 74, 84, 120.

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


74, 84, 120

Protanopia

77, 84, 119

Deuteranopia

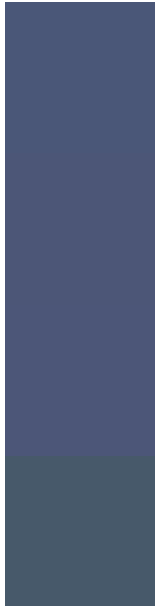
77, 84, 120



Tritanopia

69, 82, 98

Trichromacy



Original Color

74, 84, 120

Protanomaly

76, 84, 119

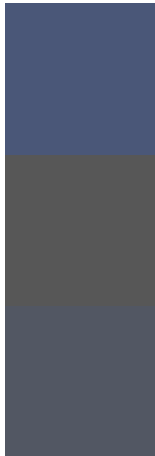
Deuteranomaly

76, 84, 120

Tritanomaly

71, 83, 106

Monochromacy



Original Color

74, 84, 120

Achromatopsia

87, 87, 87

Achromatomaly

82, 86, 99

CSS Examples

Text

The CSS property to change the color of the text to RYB 74, 84, 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(74, 87, 120) looks like.

```
.text, #text, p{  
    color:rgb(74, 87, 120)  
}
```

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(74, 87, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 87, 120) }
```

Border

The CSS property to change the border of an element to RYB 74, 84, 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(74, 87, 120) }
```

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

```
.border{ border-color:rgb(74, 87, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 87, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 87, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 87, 120);  
box-shadow:4px 4px 4px 4px rgb(74, 87,  
120) }
```

Background

The CSS property to change the background color of an element to RYB 74, 84, 120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 87, 120) }
```

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

```
.background{ background-color: rgb(74, 87,  
120) }
```

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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