

Converting Colors

`RYB(116, 124, 199)`

Have a look what the booklet for
RYB(116, 124, 199) contains.

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Color

R_YB(116, 124, 199)

Conversions

Conversions Part 1

Format	Color
Hex	747DC7
RGB	116, 125, 199
RGB Percent	45%, 49%, 78%
CMY	0.5451, 0.5104, 0.2196
CMYK	0.42, 0.37, 0.00, 0.22
HSL	234°, 43%, 62%
HSV	234°, 42%, 78%
XYZ	24.8263, 22.4666, 57.0608
YIQ	130.7450, -29.1180, 21.1060

Conversions

Conversions Part 2

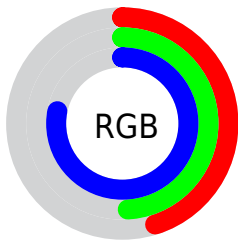
Format	Color
R _Y B	116, 124, 199
Decimal	7634375
CIE Lab	54.52, 15.66, -39.66
CIE LCh	55, 42.640, 291.541
Yxy	22.4666, 0.2379, 0.2153
Android (android.graphics.Color)	4285824455 (0xFF747DC7)
YUV	130.7450, 33.6497, -12.9314
Hunter-Lab	47.3990, 10.5453, -38.1964

Details

The RYB color **116, 124, 199** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **126, 199, 116**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **171, 177, 255**, and **62, 74, 145** is the 20% darker color. If you saturate the color by 10%, you get **96, 106, 199**, and if you desaturate by 10%, it is **136, 142, 199**.

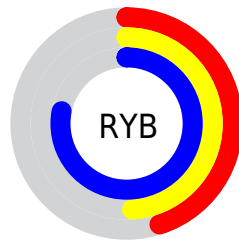
Distribution



Red (45%)

Green (49%)

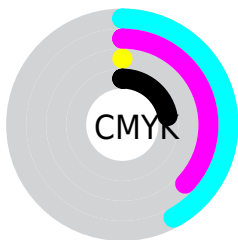
Blue (78%)



Red (45%)

Yellow (49%)

Blue (78%)

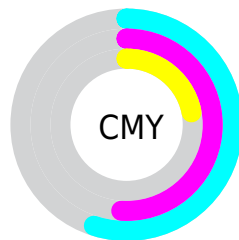


Cyan (42%)

Magenta (37%)

Yellow (0%)

Black (22%)



Cyan (55%)

Magenta (51%)

Yellow (22%)


Brightness & Saturation Gradients

These gradients show how the RYB color 116, 124, 199 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 116, 124, 199 by changing the saturation by 10% instead.

 116, 124, 199

255, 255, 255

 171, 177, 255

 199, 204, 255

 228, 232, 255

 116, 124, 199

 89, 99, 171


 62, 74, 145

 33, 50, 119

 0, 24, 93

 0, 9, 69

 0, 4, 46

 0, 1, 25

 0, 0, 0

 116, 124, 199

 116, 124, 199

■ 96, 106, 199

■ 136, 142, 199

■ 76, 88, 199

■ 156, 160, 199

■ 56, 70, 199

■ 176, 178, 199

■ 36, 52, 199

■ 196, 196, 199

■ 16, 34, 199

■ 201, 216, 199

■ 0, 19, 199

■ 202, 235, 199

■ 206, 255, 199

■ 199, 255, 199

Harmonies

Analogous

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



19, 91, 203



116, 124, 199



166, 110, 177

Triad

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



116, 124, 199



187, 129, 74



0, 82, 148

Complementary

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



116, 124, 199



126, 199, 116

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.



82, 143, 144



116, 124, 199



110, 161, 55

Square

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



116, 124, 199



199, 101, 105



59, 136, 69



0, 76, 156

Rectangle

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



116, 124, 199



187, 103, 155



59, 136, 69



39, 106, 147

Sweetspot

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



116, 124, 199



222, 225, 255



116, 160, 199



107, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



116, 124, 199



128, 140, 255



148, 116, 199



90, 91, 99



0, 15, 163



0, 4, 36

Inverse Universe

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



199, 116, 125



255, 128, 141



116, 199, 148



99, 90, 91



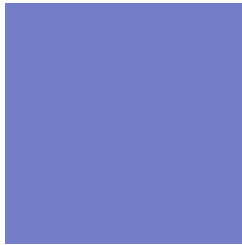
163, 0, 17



36, 0, 4

Previews

White Background



This preview shows how the RYB color 116, 124, 199 looks on a white background.

Color Contrast Check

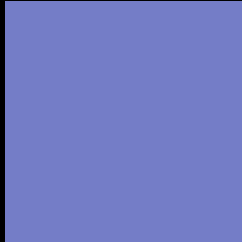
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 116, 124, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

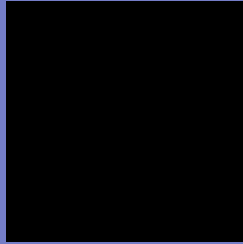
Any Text WCAG AA ✓ Pass

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](#).

RYB 116, 124, 199 Background



This preview shows how black text looks on a background with the RYB color 116, 124, 199.



This preview shows how white text looks on a background with the RYB color 116, 124, 199.

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
116, 124, 199

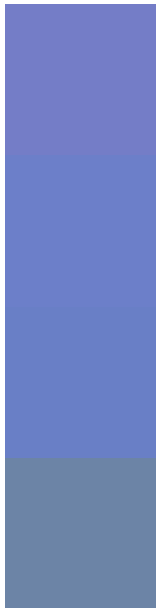
Protanopia
103, 123, 202

Deuteranopia
98, 122, 198



Tritanopia
103, 122, 147

Trichromacy



Original Color
116, 124, 199

Protanomaly
108, 124, 201

Deuteranomaly
105, 123, 198

Tritanomaly
108, 125, 166

Monochromacy



Original Color
116, 124, 199

Achromatopsia
131, 131, 131

Achromatomaly
126, 129, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 124, 199 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(116, 125, 199)` looks like.

```
.text, #text, p{  
    color:rgb(116, 125, 199)  
}
```

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(116, 125, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 125, 199) }
```

Border

The CSS property to change the border of an element to RYB 116, 124, 199 is called "border". The border property can be set on classes, ids or directly on the HTML element.

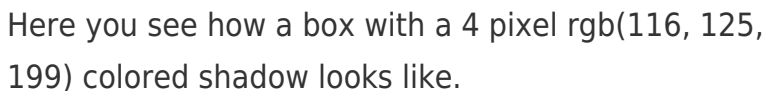
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 125, 199) }
```

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

```
.border{ border-color:rgb(116, 125, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 125, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 125, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 125, 199); box-shadow:4px 4px 4px 4px rgb(116, 125, 199) }
```

Background

The CSS property to change the background color of an element to RYB 116, 124, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 125, 199) }
```

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

```
.background{ background-color: rgb(116,  
125, 199) }
```

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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