

Converting Colors

$Y_{xy}(17.7007, 0.4728, 0.2952)$

Have a look what the booklet for
Yxy(17.7007, 0.4728, 0.2952)
contains.

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Color

Yxy(17.7059, 0.4724, 0.2948)

Conversions

Conversions Part 1

Format	Color
Hex	C84764
RGB	200, 71, 100
RGB Percent	78%, 28%, 39%
CMY	0.2157, 0.7215, 0.6078
CMYK	0.00, 0.64, 0.50, 0.22
HSL	347°, 54%, 53%
HSV	347°, 64%, 78%
XYZ	28.3727, 17.7059, 13.9821
YIQ	112.8770, 67.5750, 36.3670

Conversions

Conversions Part 2

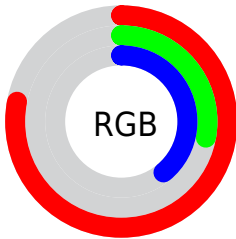
Format	Color
RYB	200, 71, 100
Decimal	13125476
CIELab	49.14, 53.40, 11.40
CIELCh	49, 54.602, 12.055
Yxy	17.7059, 0.4724, 0.2948
Android (android.graphics.Color)	4291315556 (0xFFC84764)
YUV	112.8770, -6.3484, 76.4069
Hunter-Lab	42.0784, 46.7221, 9.7535

Details

The Yxy color **17.7059, 0.4724, 0.2948** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **45.5867, 0.2510, 0.3740**, and the grayscale version is **16.4808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4161, 0.4290, 0.3036**, and **5.9291, 0.5394, 0.2745** is the 20% darker color. If you saturate the color by 10%, you get **15.2955, 0.5124, 0.2944**, and if you desaturate by 10%, it is **21.0123, 0.4352, 0.2980**.

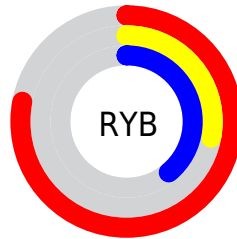
Distribution



Red (78%)

Green (28%)

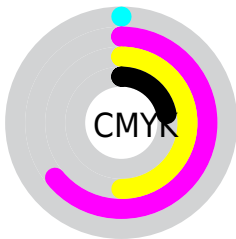
Blue (39%)



Red (78%)

Yellow (28%)

Blue (39%)

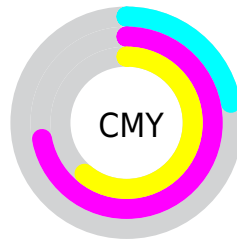


Cyan (0%)

Magenta (64%)

Yellow (50%)

Black (22%)



Cyan (22%)


Magenta (72%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7059, 0.4724, 0.2948 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 Yxy color 17.7059, 0.4724, 0.2948 by changing the saturation by 10% instead.


 17.7059, 0.4724,
0.2948


 17.7059, 0.4724,
0.2948


239.2081, 0.3797,
0.3172


 10.7390, 0.5005,
0.2867


 39.5355, 0.4352,
0.3046


 5.8916, 0.5399,
0.2744

 55.1671, 0.4223,
0.3078


 2.7793, 0.5978,
0.2542

 74.4557, 0.4118,
0.3102

 1.0176, 0.7088,
0.2242

 97.7858, 0.4032,
0.3122

 0.0000, 1.0000,
0.0000

 125.5416, 0.3959,
0.3138

 0.0000, 0.0000,
0.0000

158.1077, 0.3897,

0.3151

195.8684, 0.3843,
0.3163

■ 17.7059, 0.4724,
0.2948

■ 17.7059, 0.4724,
0.2948

■ 15.2955, 0.5124,
0.2944

■ 21.0123, 0.4352,
0.2980

■ 13.6891, 0.5517,
0.2975

■ 25.2888, 0.4025,
0.3029

■ 12.7801, 0.5859,
0.3045

■ 30.6052, 0.3749,
0.3088

■ 12.4681, 0.6018,
0.3089

■ 37.0241, 0.3522,
0.3149

■ 44.6028, 0.3336,
0.3209

■ 53.3951, 0.3185,
0.3266

■ 63.4510, 0.3063,
0.3319

■ 74.8179, 0.2964,
0.3367

■ 87.5406, 0.2883,
0.3412

Harmonies

Analogous

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



17.7059, 0.3733, 0.2360



17.7059, 0.4724, 0.2948



17.7059, 0.5164, 0.3625

Triad

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



17.7059, 0.4724, 0.2948



17.7059, 0.3275, 0.5237



17.7059, 0.1520, 0.1925

Complementary

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



17.7059, 0.4724, 0.2948



45.5867, 0.2510, 0.3740

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.



17.7059, 0.1441, 0.2420



17.7059, 0.4724, 0.2948



17.7059, 0.2356, 0.4579

Square

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



17.7059, 0.4724, 0.2948



17.7059, 0.4204, 0.5009



17.7059, 0.1705, 0.3378



17.7059, 0.1923, 0.1796

Rectangle

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



17.7059, 0.4724, 0.2948



17.7059, 0.5067, 0.4104



17.7059, 0.1705, 0.3378



17.7059, 0.1458, 0.2043

Sweetspot

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



17.7069, 0.4724, 0.2948



70.7008, 0.3420, 0.3180



17.2125, 0.2842, 0.1673



14.3338, 0.3475, 0.3163



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



17.7069, 0.4724, 0.2948



25.3274, 0.5269, 0.2951



22.9199, 0.4865, 0.3710



10.6754, 0.3255, 0.3238



7.9393, 0.5985, 0.3071



0.3873, 0.5384, 0.2740

Inverse Universe

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



17.7069, 0.4724, 0.2948



25.3274, 0.5269, 0.2951



32.6370, 0.2239, 0.2748



10.6754, 0.3255, 0.3238



7.9393, 0.5985, 0.3071



0.3873, 0.5384, 0.2740

Previews

White Background



This preview shows how the Yxy color 17.7059, 0.4724, 0.2948 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 Yxy color 17.7059, 0.4724, 0.2948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

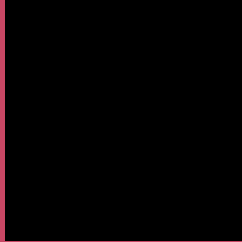
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7059, 0.4724, 0.2948

Background



This preview shows how black text looks on a background with the Yxy color 17.7059, 0.4724, 0.2948.



This preview shows how white text looks on a background with the Yxy color 17.7059, 0.4724, 0.2948.

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

17.7059, 0.4724, 0.2948

Protanopia

18.0294, 0.3058, 0.3156

Deuteranopia

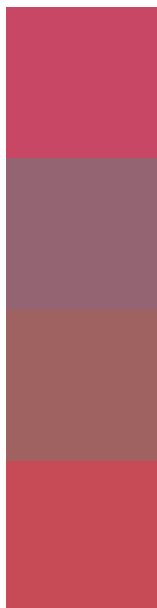
17.9368, 0.3703, 0.3641



Tritanopia

17.7535, 0.5018, 0.3238

Trichromacy



Original Color

17.7059, 0.4724, 0.2948

Protanomaly

16.6480, 0.3618, 0.3033

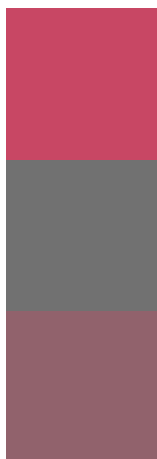
Deuteranomaly

17.0535, 0.4090, 0.3325

Tritanomaly

17.7278, 0.4913, 0.3142

Monochromacy



Original Color

17.7059, 0.4724, 0.2948

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.8378, 0.3688, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7059, 0.4724, 0.2948 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(200, 71, 100)` looks like.

```
.text, #text, p{  
    color:rgb(200, 71, 100)  
}
```

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(200, 71, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 71, 100) }
```

Border

The CSS property to change the border of an element to Yxy 17.7059, 0.4724, 0.2948 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(200, 71, 100) }
```

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

```
.border{ border-color:rgb(200, 71, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 71, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 71, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 71, 100);  
box-shadow:4px 4px 4px 4px rgb(200, 71,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7059, 0.4724, 0.2948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 71, 100) }
```

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

```
.background{ background-color: rgb(200, 71,  
100) }
```

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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