

Converting Colors

$Yxy(15.5064, 0.4700, 0.2729)$

Have a look what the booklet for
Yxy(15.5064, 0.4700, 0.2729)
contains.

Yxy(15.4676, 0.4690, 0.2724)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.4676, 0.4690, 0.2724)

Conversions

Conversions Part 1

Format	Color
Hex	C43768
RGB	196, 55, 104
RGB Percent	77%, 22%, 41%
CMY	0.2314, 0.7843, 0.5921
CMYK	0.00, 0.72, 0.47, 0.23
HSL	339°, 56%, 49%
HSV	339°, 72%, 77%
XYZ	26.6311, 15.4676, 14.6840
YIQ	102.7450, 68.3070, 45.1310

Conversions

Conversions Part 2

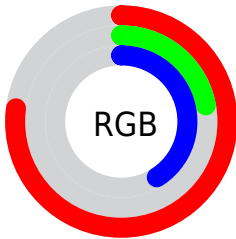
Format	Color
RYB	196, 55, 104
Decimal	12859240
CIELab	46.27, 58.78, 4.80
CIElCh	46, 58.978, 4.664
Yxy	15.4676, 0.4690, 0.2724
Android (android.graphics.Color)	4291049320 (0xFFC43768)
YUV	102.7450, 0.6187, 81.7846
Hunter-Lab	39.3289, 52.0436, 5.3934

Details

The Yxy color **15.4676, 0.4690, 0.2724** 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 **42.3991, 0.2572, 0.4102**, and the grayscale version is **13.4783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2149, 0.4299, 0.2859**, and **5.6138, 0.5254, 0.2668** is the 20% darker color. If you saturate the color by 10%, you get **13.7212, 0.5029, 0.2730**, and if you desaturate by 10%, it is **17.9942, 0.4365, 0.2760**.

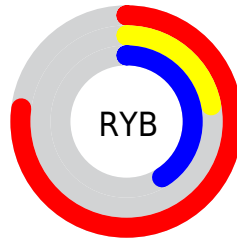
Distribution



Red (77%)

Green (22%)

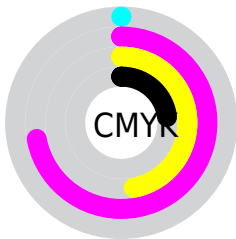
Blue (41%)



Red (77%)

Yellow (22%)

Blue (41%)

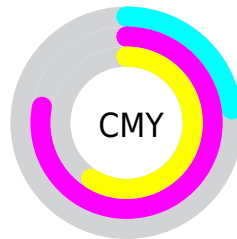


Cyan (0%)

Magenta (72%)

Yellow (47%)

Black (23%)



Cyan (23%)

Magenta (78%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4676, 0.4690, 0.2724 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 15.4676, 0.4690, 0.2724 by changing the saturation by 10% instead.


 15.4676, 0.4690,
0.2724


 15.4676, 0.4690,
0.2724


226.1793, 0.3772,
0.3068


 9.1482, 0.4976,
0.2611


 35.6714, 0.4317,
0.2867


 4.8380, 0.5381,
0.2447

 50.3247, 0.4190,
0.2915


 2.1525, 0.5992,
0.2189

 68.5246, 0.4086,
0.2953

 0.6939, 0.7167,
0.1764

 90.6557, 0.4001,
0.2985

 0.0000, 1.0000,
0.0000

 117.1023, 0.3930,
0.3011

 0.0000, 0.0000,
0.0000

148.2489, 0.3869,

0.3033

184.4797, 0.3817,
0.3052

■ 15.4676, 0.4690,
0.2724

■ 15.4676, 0.4690,
0.2724

■ 13.7212, 0.5029,
0.2730

■ 17.9942, 0.4365,
0.2760

■ 12.6573, 0.5355,
0.2785

■ 21.3782, 0.4070,
0.2826

■ 12.1551, 0.5596,
0.2857

■ 25.6905, 0.3814,
0.2910

■ 30.9936, 0.3597,
0.3002

■ 37.3447, 0.3417,
0.3096

■ 44.7965, 0.3269,
0.3187

■ 53.3983, 0.3148,
0.3274

■ 63.1960, 0.3049,
0.3354

■ 74.2336, 0.2968,
0.3429

Harmonies

Analogous

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



15.4676, 0.3491, 0.2133



15.4676, 0.4690, 0.2724



15.4676, 0.5361, 0.3426

Triad

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



15.4676, 0.4690, 0.2724



15.4676, 0.3506, 0.5506



15.4676, 0.1320, 0.1867

Complementary

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



15.4676, 0.4690, 0.2724



42.3991, 0.2572, 0.4102

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.



15.4676, 0.1312, 0.2510



15.4676, 0.4690, 0.2724



15.4676, 0.2475, 0.5059

Square

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



15.4676, 0.4690, 0.2724



15.4676, 0.4499, 0.4997



15.4676, 0.1681, 0.3712



15.4676, 0.1660, 0.1656

Rectangle

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



15.4676, 0.4690, 0.2724



15.4676, 0.5350, 0.3931



15.4676, 0.1681, 0.3712



15.4676, 0.1280, 0.2025

Sweetspot

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



15.4685, 0.4690, 0.2724



67.1439, 0.3424, 0.3092



12.8891, 0.2598, 0.1437



13.6563, 0.3471, 0.3066



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.



15.4685, 0.4690, 0.2724



23.6722, 0.5209, 0.2753



17.2017, 0.5337, 0.3524



10.1344, 0.3236, 0.3210



7.8248, 0.5560, 0.2836



0.3512, 0.4930, 0.2490

Inverse Universe

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



15.4685, 0.4690, 0.2724



23.6722, 0.5209, 0.2753



35.4002, 0.2239, 0.2953



10.1344, 0.3236, 0.3210



7.8248, 0.5560, 0.2836



0.3512, 0.4930, 0.2490

Previews

White Background



This preview shows how the Yxy color 15.4676, 0.4690, 0.2724 looks on a white background.

Color Contrast Check

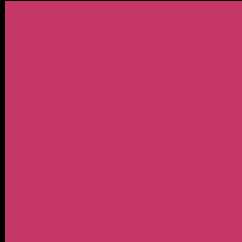
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.4676, 0.4690, 0.2724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

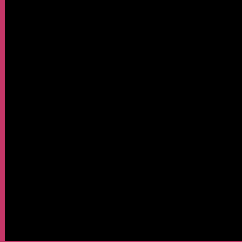
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.4676, 0.4690, 0.2724

Background



This preview shows how black text looks on a background with the Yxy color 15.4676, 0.4690, 0.2724.

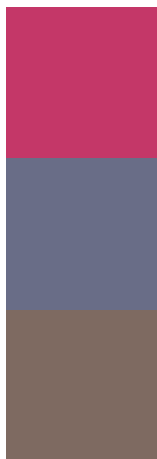


This preview shows how white text looks on a background with the Yxy color 15.4676, 0.4690, 0.2724.

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

15.4676, 0.4690, 0.2724

Protanopia

15.6898, 0.2774, 0.2778

Deuteranopia

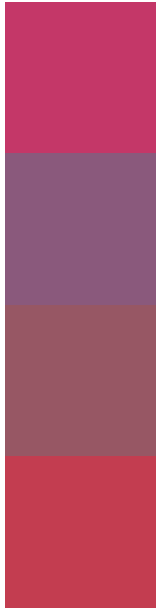
15.6068, 0.3536, 0.3468



Tritanopia

15.5414, 0.5269, 0.3263

Trichromacy



Original Color

15.4676, 0.4690, 0.2724

Protanomaly

14.0033, 0.3368, 0.2666

Deuteranomaly

14.3158, 0.3961, 0.3070

Tritanomaly

15.5188, 0.5086, 0.3081

Monochromacy



Original Color

15.4676, 0.4690, 0.2724

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

12.9532, 0.3697, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4676, 0.4690, 0.2724 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(196, 55, 104)` looks like.

```
.text, #text, p{  
    color:rgb(196, 55, 104)  
}
```

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(196, 55, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 55, 104) }
```

Border

The CSS property to change the border of an element to Yxy 15.4676, 0.4690, 0.2724 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(196, 55, 104) }
```

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

```
.border{ border-color:rgb(196, 55, 104) }
```

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

Here you see how a box with a 4 pixel rgb(196, 55, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 55, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 55, 104);  
box-shadow:4px 4px 4px 4px rgb(196, 55,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 15.4676, 0.4690, 0.2724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 55, 104) }
```

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

```
.background{ background-color: rgb(196, 55,  
104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor