

Converting Colors

$Yxy(16.9348, 0.3934, 0.2699)$

Have a look what the booklet for
Yxy(16.9348, 0.3934, 0.2699)
contains.

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Color

Yxy(16.8719, 0.3940, 0.2698)

Conversions

Conversions Part 1

Format	Color
Hex	B0537C
RGB	176, 83, 124
RGB Percent	69%, 33%, 49%
CMY	0.3097, 0.6745, 0.5138
CMYK	0.00, 0.53, 0.30, 0.31
HSL	334°, 37%, 51%
HSV	334°, 53%, 69%
XYZ	24.6387, 16.8719, 21.0242
YIQ	115.4810, 42.2670, 32.4670

Conversions

Conversions Part 2

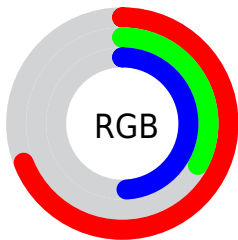
Format	Color
RYB	176, 83, 124
Decimal	11555708
CIELab	48.10, 42.52, -5.08
CIELCh	48, 42.826, 353.183
Yxy	16.8719, 0.3940, 0.2698
Android (android.graphics.Color)	4289745788 (0xFFB0537C)
YUV	115.4810, 4.1999, 53.0752
Hunter-Lab	41.0754, 35.1897, -1.5944

Details

The Yxy color **16.8719, 0.3940, 0.2698** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **34.6468, 0.2713, 0.4006**, and the grayscale version is **17.2753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2353, 0.3757, 0.2841**, and **5.4810, 0.4282, 0.2469** is the 20% darker color. If you saturate the color by 10%, you get **14.2762, 0.4184, 0.2612**, and if you desaturate by 10%, it is **20.1778, 0.3726, 0.2804**.

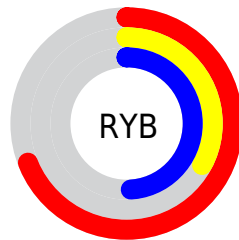
Distribution



Red (69%)

Green (33%)

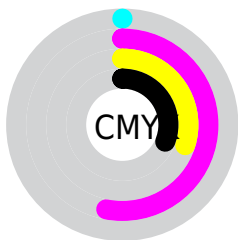
Blue (49%)



Red (69%)

Yellow (33%)

Blue (49%)

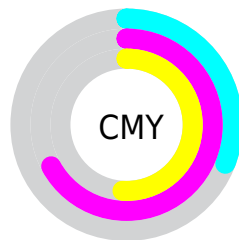


Cyan (0%)

Magenta (53%)

Yellow (30%)

Black (31%)



Cyan (31%)


Magenta (67%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8719, 0.3940, 0.2698 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 16.8719, 0.3940, 0.2698 by changing the saturation by 10% instead.


 16.8719, 0.3940,
0.2698


 16.8719, 0.3940,
0.2698


234.4331, 0.3472,
0.3033


 10.1432, 0.4083,
0.2599


 38.1054, 0.3752,
0.2830


 5.4940, 0.4286,
0.2461


 53.3790, 0.3687,
0.2877


 2.5399, 0.4595,
0.2256

 72.2697, 0.3635,
0.2915

 0.8966, 0.5117,
0.1923

 95.1618, 0.3591,
0.2946

 0.0000, 0.8691,
0.0000

 122.4398, 0.3554,
0.2973

 0.0000, 0.0000,
0.0000

154.4881, 0.3523,

0.2996

191.6911, 0.3496,
0.3015

■ 16.8719, 0.3940,
0.2698

■ 16.8719, 0.3940,
0.2698

■ 14.2762, 0.4184,
0.2612

■ 20.1778, 0.3726,
0.2804

■ 12.3347, 0.4452,
0.2557

■ 24.2393, 0.3543,
0.2919

■ 10.9868, 0.4732,
0.2546

■ 29.1011, 0.3388,
0.3036

■ 10.1595, 0.5009,
0.2587

■ 34.8036, 0.3260,
0.3151

■ 9.7764, 0.5201,
0.2639

■ 41.3843, 0.3154,
0.3260

■ 48.8787, 0.3066,
0.3362

■ 57.3200, 0.2994,
0.3457

■ 66.7401, 0.2935,
0.3544

■ 77.1691, 0.2885,
0.3624

Harmonies

Analogous

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



16.8719, 0.3077, 0.2279



16.8719, 0.3940, 0.2698



16.8719, 0.4602, 0.3247

Triad

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



16.8719, 0.3940, 0.2698



16.8719, 0.3788, 0.4814



16.8719, 0.1706, 0.2405

Complementary

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



16.8719, 0.3940, 0.2698



34.6468, 0.2713, 0.4006

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.



16.8719, 0.1835, 0.3062



16.8719, 0.3940, 0.2698



16.8719, 0.2997, 0.4691

Square

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



16.8719, 0.3940, 0.2698



16.8719, 0.4447, 0.4430



16.8719, 0.2284, 0.3967



16.8719, 0.1877, 0.2088

Rectangle

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



16.8719, 0.3940, 0.2698



16.8719, 0.4779, 0.3646



16.8719, 0.2284, 0.3967



16.8719, 0.1715, 0.2585

Sweetspot

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



16.8727, 0.3940, 0.2698



59.3848, 0.3301, 0.3112



14.4019, 0.2667, 0.1847



12.4178, 0.3327, 0.3089



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



16.8727, 0.3940, 0.2698



25.3824, 0.4216, 0.2603



16.7779, 0.4593, 0.3361



8.5654, 0.3220, 0.3190



7.1828, 0.5176, 0.2625



0.2378, 0.4492, 0.2248

Inverse Universe

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



16.8727, 0.3940, 0.2698



25.3824, 0.4216, 0.2603



34.2391, 0.2443, 0.3212



8.5654, 0.3220, 0.3190



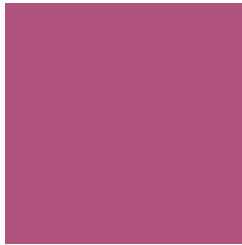
7.1828, 0.5176, 0.2625



0.2378, 0.4492, 0.2248

Previews

White Background



This preview shows how the Yxy color 16.8719, 0.3940, 0.2698 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 16.8719, 0.3940, 0.2698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

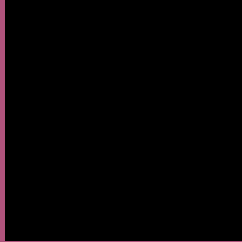
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8719, 0.3940, 0.2698

Background



This preview shows how black text looks on a background with the Yxy color 16.8719, 0.3940, 0.2698.



This preview shows how white text looks on a background with the Yxy color 16.8719, 0.3940, 0.2698.

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

16.8719, 0.3940, 0.2698

Protanopia

17.1740, 0.2713, 0.2722

Deuteranopia

16.9859, 0.3201, 0.3138



Tritanopia

16.8552, 0.4348, 0.3204

Trichromacy



Original Color

16.8719, 0.3940, 0.2698

Protanomaly

16.4122, 0.3089, 0.2685

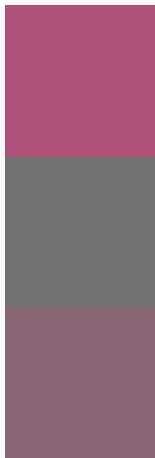
Deuteranomaly

16.5275, 0.3457, 0.2940

Tritanomaly

16.8557, 0.4192, 0.3011

Monochromacy



Original Color

16.8719, 0.3940, 0.2698

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.3269, 0.3409, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8719, 0.3940, 0.2698 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(176, 83, 124)` looks like.

```
.text, #text, p{  
    color:rgb(176, 83, 124)  
}
```

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(176, 83, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 83, 124) }
```

Border

The CSS property to change the border of an element to Yxy 16.8719, 0.3940, 0.2698 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(176, 83, 124) }
```

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

```
.border{ border-color:rgb(176, 83, 124) }
```

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

Here you see how a box with a 4 pixel rgb(176, 83, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 83, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 83, 124);  
box-shadow:4px 4px 4px 4px rgb(176, 83,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8719, 0.3940, 0.2698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 83, 124) }
```

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

```
.background{ background-color: rgb(176, 83,  
124) }
```

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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