

Converting Colors

$Y_{xy}(19.7794, 0.4463, 0.2773)$

Have a look what the booklet for
Yxy(19.7794, 0.4463, 0.2773)
contains.

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Color

Yxy(19.7740, 0.4473, 0.2776)

Conversions

Conversions Part 1

Format	Color
Hex	D04B77
RGB	208, 75, 119
RGB Percent	82%, 29%, 47%
CMY	0.1843, 0.7059, 0.5333
CMYK	0.00, 0.64, 0.43, 0.18
HSL	340°, 59%, 55%
HSV	340°, 64%, 82%
XYZ	31.8621, 19.7740, 19.5959
YIQ	119.7830, 65.1440, 41.8800

Conversions

Conversions Part 2

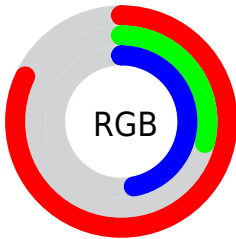
Format	Color
R_{YB}	208, 75, 119
Decimal	13650807
CIE Lab	51.58, 56.04, 3.60
CIE LCh	52, 56.154, 3.676
Yxy	19.7740, 0.4473, 0.2776
Android (android.graphics.Color)	4291840887 (0xFFD04B77)
YUV	119.7830, -0.3860, 77.3663
Hunter-Lab	44.4680, 50.0794, 5.0000

Details

The Yxy color **19.7740, 0.4473, 0.2776** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **49.2937, 0.2585, 0.3963**, and the grayscale version is **18.6949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4329, 0.4037, 0.2878**, and **6.9096, 0.5014, 0.2554** is the 20% darker color. If you saturate the color by 10%, you get **17.0899, 0.4814, 0.2752**, and if you desaturate by 10%, it is **23.4313, 0.4160, 0.2833**.

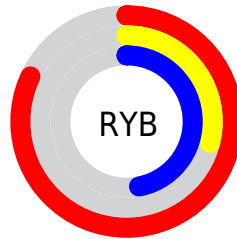
Distribution



Red (82%)

Green (29%)

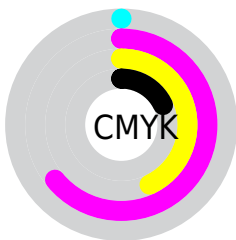
Blue (47%)



Red (82%)

Yellow (29%)

Blue (47%)

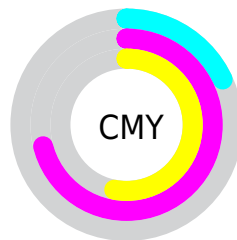


Cyan (0%)

Magenta (64%)

Yellow (43%)

Black (18%)



Cyan (18%)


Magenta (71%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7740, 0.4473, 0.2776 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 19.7740, 0.4473, 0.2776 by changing the saturation by 10% instead.


 19.7740, 0.4473,
0.2776


 19.7740, 0.4473,
0.2776


250.6890, 0.3708,
0.3075


 12.2309, 0.4699,
0.2684


 43.0380, 0.4170,
0.2896


 6.9011, 0.5013,
0.2555


 59.5276, 0.4064,
0.2938

 3.4003, 0.5473,
0.2361

 79.7681, 0.3977,
0.2972

 1.3441, 0.6195,
0.2046

 104.1440, 0.3905,
0.3000

 0.1750, 0.9087,
0.0913

 133.0397, 0.3844,
0.3023

 0.0000, 1.0000,
0.0000

166.8395, 0.3792,

 0.0000, 0.0000,

0.3043

0.0000

205.9278, 0.3747,
0.3060

■ 19.7740, 0.4473,
0.2776

■ 19.7740, 0.4473,
0.2776

■ 17.0899, 0.4814,
0.2752

■ 23.4313, 0.4160,
0.2833

■ 15.2798, 0.5163,
0.2771

■ 28.1417, 0.3886,
0.2910

■ 14.2289, 0.5490,
0.2840

■ 33.9806, 0.3654,
0.2997

■ 13.8397, 0.5669,
0.2897

■ 41.0152, 0.3460,
0.3086

■ 49.3077, 0.3301,
0.3175

■ 58.9160, 0.3172,
0.3258

■ 69.8941, 0.3066,
0.3337

■ 82.2931, 0.2979,
0.3409

■ 91.4798, 0.2905,
0.3401

Harmonies

Analogous

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



19.7740, 0.3422, 0.2232



19.7740, 0.4473, 0.2776



19.7740, 0.5097, 0.3432

Triad

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



19.7740, 0.4473, 0.2776



19.7740, 0.3543, 0.5233



19.7740, 0.1476, 0.2031

Complementary

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



19.7740, 0.4473, 0.2776



49.2937, 0.2585, 0.3963

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.



19.7740, 0.1489, 0.2647



19.7740, 0.4473, 0.2776



19.7740, 0.2602, 0.4837

Square

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



19.7740, 0.4473, 0.2776



19.7740, 0.4428, 0.4836



19.7740, 0.1859, 0.3713



19.7740, 0.1786, 0.1811

Rectangle

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



19.7740, 0.4473, 0.2776



19.7740, 0.5128, 0.3900



19.7740, 0.1859, 0.3713



19.7740, 0.1444, 0.2186

Sweetspot

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



19.7751, 0.4473, 0.2776



70.9733, 0.3381, 0.3129



17.4433, 0.2696, 0.1614



14.3988, 0.3429, 0.3103



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.



19.7751, 0.4473, 0.2776



25.7982, 0.4953, 0.2754



22.4989, 0.4980, 0.3548



11.8719, 0.3239, 0.3213



8.6404, 0.5632, 0.2876



0.4977, 0.5110, 0.2589

Inverse Universe

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



19.7751, 0.4473, 0.2776



25.7982, 0.4953, 0.2754



41.1020, 0.2291, 0.2960



11.8719, 0.3239, 0.3213



8.6404, 0.5632, 0.2876



0.4977, 0.5110, 0.2589

Previews

White Background



This preview shows how the Yxy color 19.7740, 0.4473, 0.2776 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 Yxy color 19.7740, 0.4473, 0.2776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

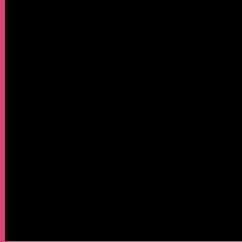
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7740, 0.4473, 0.2776

Background



This preview shows how black text looks on a background with the Yxy color 19.7740, 0.4473, 0.2776.



This preview shows how white text looks on a background with the Yxy color 19.7740, 0.4473, 0.2776.

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

19.7740, 0.4473, 0.2776

Protanopia

19.8772, 0.2815, 0.2841

Deuteranopia

19.8749, 0.3458, 0.3398



Tritanopia

19.8445, 0.4926, 0.3238

Trichromacy



Original Color

19.7740, 0.4473, 0.2776

Protanomaly

18.4886, 0.3339, 0.2765

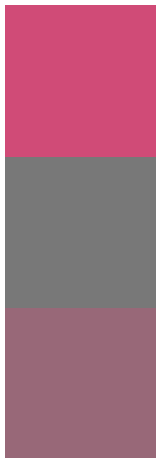
Deuteranomaly

18.8308, 0.3830, 0.3102

Tritanomaly

19.7582, 0.4770, 0.3062

Monochromacy



Original Color

19.7740, 0.4473, 0.2776

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

17.9321, 0.3588, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7740, 0.4473, 0.2776 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(208, 75, 119)` looks like.

```
.text, #text, p{  
    color:rgb(208, 75, 119)  
}
```

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(208, 75, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 75, 119) }
```

Border

The CSS property to change the border of an element to Yxy 19.7740, 0.4473, 0.2776 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(208, 75, 119) }
```

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

```
.border{ border-color:rgb(208, 75, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 75, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 75, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 75, 119);  
box-shadow:4px 4px 4px 4px rgb(208, 75,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7740, 0.4473, 0.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 75, 119) }
```

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

```
.background{ background-color: rgb(208, 75,  
119) }
```

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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