

Converting Colors

$Y_{xy}(16.6638, 0.3981, 0.2597)$

Have a look what the booklet for
Yxy(16.6638, 0.3981, 0.2597)
contains.

Yxy(16.6638, 0.3981, 0.2597)	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(16.6638, 0.3981, 0.2597)

Conversions

Conversions Part 1

Format	Color
Hex	B54D7F
RGB	181, 77, 127
RGB Percent	71%, 30%, 50%
CMY	0.2901, 0.6981, 0.5019
CMYK	0.00, 0.57, 0.30, 0.29
HSL	331°, 41%, 51%
HSV	331°, 57%, 71%
XYZ	25.5443, 16.6638, 21.9575
YIQ	113.7960, 45.9340, 37.5980

Conversions

Conversions Part 2

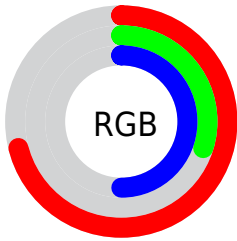
Format	Color
RYB	181, 77, 127
Decimal	11881855
CIELab	47.83, 47.52, -7.23
CIELCh	48, 48.069, 351.355
Yxy	16.6638, 0.3981, 0.2597
Android (android.graphics.Color)	4290071935 (0xFFB54D7F)
YUV	113.7960, 6.5096, 58.9379
Hunter-Lab	40.8213, 40.2607, -3.3167

Details

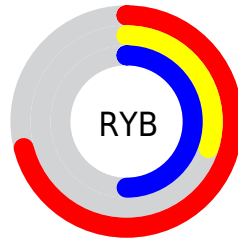
The Yxy color **16.6638, 0.3981, 0.2597** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **36.2686, 0.2717, 0.4161**, and the grayscale version is **16.7327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6113, 0.3779, 0.2743**, and **5.4103, 0.4343, 0.2331** is the 20% darker color. If you saturate the color by 10%, you get **14.2411, 0.4215, 0.2515**, and if you desaturate by 10%, it is **19.8157, 0.3772, 0.2705**.

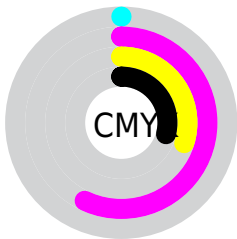
Distribution



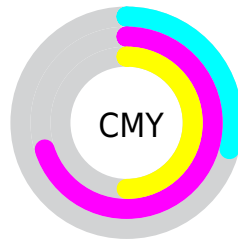
- Red (71%)
- Green (30%)
- Blue (50%)



- Red (71%)
- Yellow (30%)
- Blue (50%)



- Cyan (0%)
- Magenta (57%)
- Yellow (30%)
- Black (29%)





- Cyan (29%)
- Magenta (70%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6638, 0.3981, 0.2597 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 16.6638, 0.3981, 0.2597 by changing the saturation by 10% instead.

 16.6638, 0.3981,
0.2597


 16.6638, 0.3981,
0.2597


233.2274, 0.3492,
0.2985


 9.9951, 0.4129,
0.2484


 37.7468, 0.3786,
0.2749

 5.3957, 0.4338,
0.2328


 52.9299, 0.3718,
0.2803


 2.4813, 0.4653,
0.2100

 71.7199, 0.3663,
0.2847

 0.8672, 0.5177,
0.1741

 94.5012, 0.3617,
0.2884

 0.0000, 0.7931,
0.0000

 121.6582, 0.3578,
0.2915

 0.0000, 0.0000,
0.0000

153.5753, 0.3545,

0.2942

190.6370, 0.3517,
0.2965

■ 16.6638, 0.3981,
0.2597

■ 16.6638, 0.3981,
0.2597

■ 14.2411, 0.4215,
0.2515

■ 19.8157, 0.3772,
0.2705

■ 12.4843, 0.4466,
0.2471

■ 23.7481, 0.3590,
0.2826

■ 11.3236, 0.4723,
0.2476

■ 28.5105, 0.3434,
0.2954

■ 10.6537, 0.4973,
0.2531

■ 34.1476, 0.3304,
0.3081

■ 10.5146, 0.5037,
0.2548

■ 40.7009, 0.3196,
0.3203

■ 48.2091, 0.3106,
0.3319

■ 56.7089, 0.3032,
0.3426

■ 66.2347, 0.2971,
0.3525

■ 76.8197, 0.2920,
0.3617

Harmonies

Analogous

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



16.6638, 0.3007, 0.2155



16.6638, 0.3981, 0.2597



16.6638, 0.4756, 0.3183

Triad

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



16.6638, 0.3981, 0.2597



16.6638, 0.3887, 0.4981



16.6638, 0.1564, 0.2326

Complementary

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



16.6638, 0.3981, 0.2597



36.2686, 0.2717, 0.4161

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.



16.6638, 0.1715, 0.3074



16.6638, 0.3981, 0.2597



16.6638, 0.3014, 0.4924

Square

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



16.6638, 0.3981, 0.2597



16.6638, 0.4613, 0.4490



16.6638, 0.2218, 0.4122



16.6638, 0.1730, 0.1971

Rectangle

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



16.6638, 0.3981, 0.2597



16.6638, 0.4970, 0.3613



16.6638, 0.2218, 0.4122



16.6638, 0.1577, 0.2530

Sweetspot

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



16.6646, 0.3981, 0.2597



61.3481, 0.3302, 0.3083



13.4472, 0.2571, 0.1702



12.8022, 0.3326, 0.3058



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



16.6646, 0.3981, 0.2597



24.5443, 0.4281, 0.2499



15.9132, 0.4832, 0.3318



8.5711, 0.3214, 0.3181



7.2613, 0.5008, 0.2532



0.2403, 0.4380, 0.2186

Inverse Universe

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



16.6646, 0.3981, 0.2597



24.5443, 0.4281, 0.2499



37.2665, 0.2413, 0.3260



8.5711, 0.3214, 0.3181



7.2613, 0.5008, 0.2532



0.2403, 0.4380, 0.2186

Previews

White Background



This preview shows how the Yxy color 16.6638, 0.3981, 0.2597 looks on a white background.

Color Contrast Check

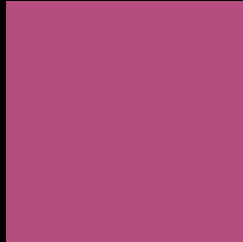
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6638, 0.3981, 0.2597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

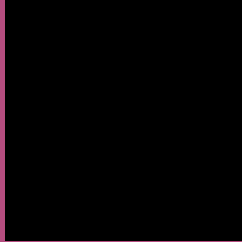
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6638, 0.3981, 0.2597

Background



This preview shows how black text looks on a background with the Yxy color 16.6638, 0.3981, 0.2597.



This preview shows how white text looks on a background with the Yxy color 16.6638, 0.3981, 0.2597.

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

16.6638, 0.3981, 0.2597

Protanopia

16.9877, 0.2612, 0.2580

Deuteranopia

16.9116, 0.3137, 0.3080



Tritanopia

16.7173, 0.4510, 0.3209

Trichromacy



Original Color

16.6638, 0.3981, 0.2597

Protanomaly

15.9729, 0.3028, 0.2551

Deuteranomaly

16.2186, 0.3419, 0.2854

Tritanomaly

16.6178, 0.4323, 0.2980

Monochromacy



Original Color

16.6638, 0.3981, 0.2597

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.0425, 0.3414, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6638, 0.3981, 0.2597 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(181, 77, 127)` looks like.

```
.text, #text, p{  
    color:rgb(181, 77, 127)  
}
```

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(181, 77, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 77, 127) }
```

Border

The CSS property to change the border of an element to Yxy 16.6638, 0.3981, 0.2597 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(181, 77, 127) }
```

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

```
.border{ border-color:rgb(181, 77, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 77, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 77, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 77, 127);  
box-shadow:4px 4px 4px 4px rgb(181, 77,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6638, 0.3981, 0.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 77, 127) }
```

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

```
.background{ background-color: rgb(181, 77,  
127) }
```

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