

Converting Colors

$Y_{xy}(16.2073, 0.4004, 0.2711)$

Have a look what the booklet for
Yxy(16.2073, 0.4004, 0.2711)
contains.

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Color

Yxy(16.2073, 0.4004, 0.2711)

Conversions

Conversions Part 1

Format	Color
Hex	AF5078
RGB	175, 80, 120
RGB Percent	69%, 31%, 47%
CMY	0.3138, 0.6862, 0.5294
CMYK	0.00, 0.54, 0.31, 0.31
HSL	335°, 37%, 50%
HSV	335°, 54%, 69%
XYZ	23.9373, 16.2073, 19.6389
YIQ	112.9650, 43.7800, 32.5800

Conversions

Conversions Part 2

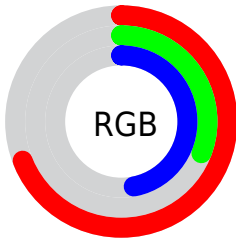
Format	Color
R _Y B	175, 80, 120
Decimal	11489400
CIE Lab	47.25, 43.15, -3.96
CIE LCh	47, 43.326, 354.759
Yxy	16.2073, 0.4004, 0.2711
Android (android.graphics.Color)	4289679480 (0xFFAF5078)
YUV	112.9650, 3.4683, 54.4047
Hunter-Lab	40.2583, 35.6829, -0.7421

Details

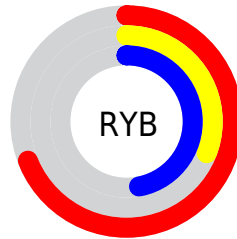
The Yxy color **16.2073, 0.4004, 0.2711** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **34.1123, 0.2694, 0.3994**, and the grayscale version is **16.4834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0773, 0.3800, 0.2850**, and **5.1737, 0.4369, 0.2465** is the 20% darker color. If you saturate the color by 10%, you get **13.7373, 0.4262, 0.2633**, and if you desaturate by 10%, it is **19.3723, 0.3777, 0.2810**.

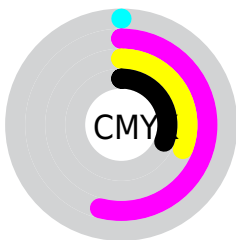
Distribution



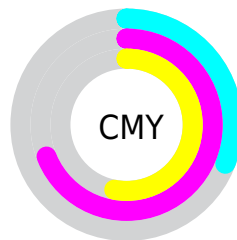
- Red (69%)
- Green (31%)
- Blue (47%)



- Red (69%)
- Yellow (31%)
- Blue (47%)



- Cyan (0%)
- Magenta (54%)
- Yellow (31%)
- Black (31%)




- Cyan (31%)
- Magenta (69%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2073, 0.4004, 0.2711 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 16.2073, 0.4004, 0.2711 by changing the saturation by 10% instead.


 16.2073, 0.4004,
0.2711


 16.2073, 0.4004,
0.2711


230.5619, 0.3495,
0.3042

 9.6710, 0.4161,
0.2611


 36.9577, 0.3799,
0.2843


 5.1813, 0.4386,
0.2471

 51.9406, 0.3728,
0.2889


 2.3541, 0.4732,
0.2261

 70.5077, 0.3671,
0.2926

 0.8021, 0.5327,
0.1908

 93.0436, 0.3624,
0.2957

 0.0000, 1.0000,
0.0000

 119.9325, 0.3584,
0.2983

 0.0000, 0.0000,
0.0000

151.5590, 0.3550,

0.3005

188.3073, 0.3521,
0.3025

■ 16.2073, 0.4004,
0.2711

■ 16.2073, 0.4004,
0.2711

■ 13.7373, 0.4262,
0.2633

■ 19.3723, 0.3777,
0.2810

■ 11.9060, 0.4544,
0.2588

■ 23.2778, 0.3582,
0.2919

■ 10.6524, 0.4838,
0.2588

■ 27.9684, 0.3418,
0.3031

■ 9.9022, 0.5123,
0.2640

■ 33.4845, 0.3282,
0.3142

■ 9.6035, 0.5282,
0.2683

■ 39.8635, 0.3169,
0.3247

■ 47.1407, 0.3076,
0.3346

■ 55.3493, 0.3000,
0.3437

■ 64.5208, 0.2937,
0.3521

■ 74.6853, 0.2885,
0.3598

Harmonies

Analogous

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



16.2073, 0.3120, 0.2276



16.2073, 0.4004, 0.2711



16.2073, 0.4662, 0.3273

Triad

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



16.2073, 0.4004, 0.2711



16.2073, 0.3757, 0.4861



16.2073, 0.1679, 0.2357

Complementary

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



16.2073, 0.4004, 0.2711



34.1123, 0.2694, 0.3994

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.



16.2073, 0.1792, 0.3009



16.2073, 0.4004, 0.2711



16.2073, 0.2948, 0.4706

Square

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



16.2073, 0.4004, 0.2711



16.2073, 0.4445, 0.4479



16.2073, 0.2230, 0.3935



16.2073, 0.1868, 0.2053

Rectangle

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



16.2073, 0.4004, 0.2711



16.2073, 0.4822, 0.3681



16.2073, 0.2230, 0.3935



16.2073, 0.1682, 0.2534

Sweetspot

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



16.2081, 0.4004, 0.2711



57.8795, 0.3307, 0.3120



13.8882, 0.2670, 0.1816



12.4093, 0.3333, 0.3098



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.



16.2081, 0.4004, 0.2711



23.9170, 0.4313, 0.2622



16.4027, 0.4639, 0.3385



8.0692, 0.3223, 0.3195



6.8897, 0.5253, 0.2668



0.2027, 0.4486, 0.2245

Inverse Universe

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



16.2081, 0.4004, 0.2711



23.9170, 0.4313, 0.2622



33.0507, 0.2424, 0.3183



8.0692, 0.3223, 0.3195



6.8897, 0.5253, 0.2668



0.2027, 0.4486, 0.2245

Previews

White Background



This preview shows how the Yxy color 16.2073, 0.4004, 0.2711 looks on a white background.

Color Contrast Check

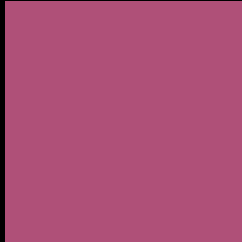
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2073, 0.4004, 0.2711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

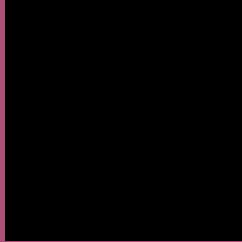
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2073, 0.4004, 0.2711

Background



This preview shows how black text looks on a background with the Yxy color 16.2073, 0.4004, 0.2711.



This preview shows how white text looks on a background with the Yxy color 16.2073, 0.4004, 0.2711.

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

16.2073, 0.4004, 0.2711

Protanopia

16.5460, 0.2738, 0.2751

Deuteranopia

16.3127, 0.3228, 0.3174



Tritanopia

16.3125, 0.4420, 0.3205

Trichromacy



Original Color

16.2073, 0.4004, 0.2711

Protanomaly

15.6331, 0.3128, 0.2694

Deuteranomaly

15.6824, 0.3494, 0.2952

Tritanomaly

16.2986, 0.4278, 0.3028

Monochromacy



Original Color

16.2073, 0.4004, 0.2711

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

15.8026, 0.3428, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2073, 0.4004, 0.2711 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(175, 80, 120)` looks like.

```
.text, #text, p{  
    color:rgb(175, 80, 120)  
}
```

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(175, 80, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 80, 120) }
```

Border

The CSS property to change the border of an element to Yxy 16.2073, 0.4004, 0.2711 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(175, 80, 120) }
```

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

```
.border{ border-color:rgb(175, 80, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 80, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 80, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 80, 120);  
box-shadow:4px 4px 4px 4px rgb(175, 80,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2073, 0.4004, 0.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 80, 120) }
```

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

```
.background{ background-color: rgb(175, 80,  
120) }
```

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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