

Converting Colors

$Y_{xy}(16.0525, 0.4290, 0.2650)$

Have a look what the booklet for
Yxy(16.0525, 0.4290, 0.2650)
contains.

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Color

Yxy(16.1100, 0.4287, 0.2654)

Conversions

Conversions Part 1

Format	Color
Hex	BC4475
RGB	188, 68, 117
RGB Percent	74%, 27%, 46%
CMY	0.2626, 0.7334, 0.5412
CMYK	0.00, 0.64, 0.38, 0.26
HSL	335°, 47%, 50%
HSV	335°, 64%, 74%
XYZ	26.0224, 16.1100, 18.5684
YIQ	109.4660, 55.7910, 40.6790

Conversions

Conversions Part 2

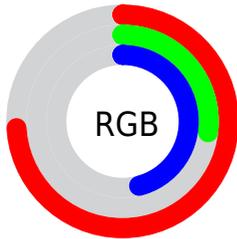
Format	Color
R_{YB}	188, 68, 117
Decimal	12338293
CIE Lab	47.12, 52.61, -2.08
CIE LCh	47, 52.647, 357.731
Yxy	16.1100, 0.4287, 0.2654
Android (android.graphics.Color)	4290528373 (0xFFBC4475)
YUV	109.4660, 3.7143, 68.8743
Hunter-Lab	40.1373, 45.4878, 0.6672

Details

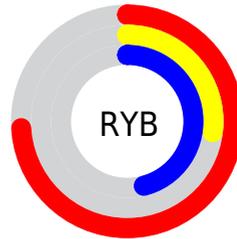
The Yxy color **16.1100, 0.4287, 0.2654** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **39.0710, 0.2642, 0.4123**, and the grayscale version is **15.4078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9869, 0.4017, 0.2806**, and **5.1755, 0.4772, 0.2402** is the 20% darker color. If you saturate the color by 10%, you get **13.9443, 0.4578, 0.2611**, and if you desaturate by 10%, it is **19.0376, 0.4021, 0.2730**.

Distribution



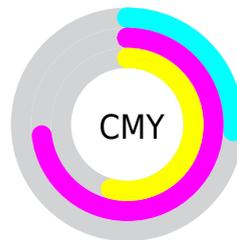
- Red (74%)
- Green (27%)
- Blue (46%)



- Red (74%)
- Yellow (27%)
- Blue (46%)



- Cyan (0%)
- Magenta (64%)
- Yellow (38%)
- Black (26%)



- Cyan (26%)
- Magenta (73%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.1100, 0.4287, 0.2654 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 16.1100, 0.4287, 0.2654 by changing the saturation by 10% instead.

 16.1100, 0.4287,
0.2654

 16.1100, 0.4287,
0.2654

229.9899, 0.3613,
0.3020

 9.6020, 0.4495,
0.2543

 36.7891, 0.4015,
0.2801

 5.1359, 0.4791,
0.2386

 51.7289, 0.3922,
0.2851

 2.3272, 0.5240,
0.2151

 70.2482, 0.3846,
0.2893

 0.7881, 0.5996,
0.1761

 92.7314, 0.3783,
0.2927

 0.0000, 1.0000,
0.0000

 119.5627, 0.3730,
0.2956

 0.0000, 0.0000,
0.0000

151.1266, 0.3685,

0.2980

187.8076, 0.3647,
0.3002

■ 16.1100, 0.4287,
0.2654

■ 16.1100, 0.4287,
0.2654

■ 13.9443, 0.4578,
0.2611

■ 19.0376, 0.4021,
0.2730

■ 12.4642, 0.4881,
0.2614

■ 22.7886, 0.3787,
0.2826

■ 11.5819, 0.5174,
0.2668

■ 27.4212, 0.3587,
0.2933

■ 11.2278, 0.5347,
0.2719

■ 32.9873, 0.3419,
0.3042

■ 39.5351, 0.3280,
0.3150

■ 47.1091, 0.3166,
0.3252

■ 55.7514, 0.3071,
0.3348

■ 65.5014, 0.2994,
0.3437

■ 76.3968, 0.2930,
0.3518

Harmonies

Analogous

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



16.1100, 0.3209, 0.2143



16.1100, 0.4287, 0.2654



16.1100, 0.5034, 0.3296

Triad

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



16.1100, 0.4287, 0.2654



16.1100, 0.3731, 0.5209



16.1100, 0.1448, 0.2114

Complementary

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



16.1100, 0.4287, 0.2654



39.0710, 0.2642, 0.4123

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.



16.1100, 0.1527, 0.2822



16.1100, 0.4287, 0.2654



16.1100, 0.2780, 0.4999

Square

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



16.1100, 0.4287, 0.2654



16.1100, 0.4582, 0.4711



16.1100, 0.1975, 0.3958



16.1100, 0.1694, 0.1824

Rectangle

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



16.1100, 0.4287, 0.2654



16.1100, 0.5158, 0.3759



16.1100, 0.1975, 0.3958



16.1100, 0.1437, 0.2298

Sweetspot

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



16.1109, 0.4287, 0.2654



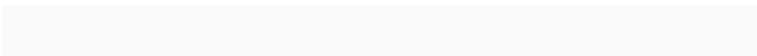
64.9209, 0.3353, 0.3092



13.1674, 0.2581, 0.1571



13.2517, 0.3394, 0.3061



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



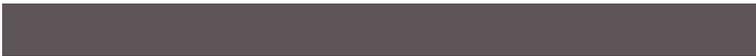
16.1109, 0.4287, 0.2654



23.9357, 0.4711, 0.2606



16.5582, 0.5060, 0.3418



9.5992, 0.3226, 0.3197



7.6559, 0.5315, 0.2702



0.3129, 0.4691, 0.2358

Inverse Universe

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



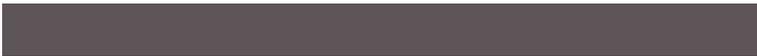
16.1109, 0.4287, 0.2654



23.9357, 0.4711, 0.2606



36.7107, 0.2334, 0.3129



9.5992, 0.3226, 0.3197



7.6559, 0.5315, 0.2702



0.3129, 0.4691, 0.2358

Previews

White Background



This preview shows how the Yxy color 16.1100, 0.4287, 0.2654 looks on a white background.

Color Contrast Check

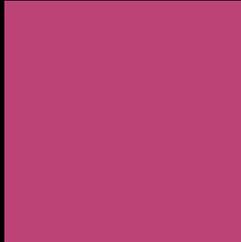
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1100, 0.4287, 0.2654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

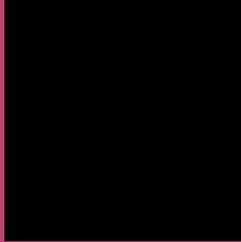
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1100, 0.4287, 0.2654

Background



This preview shows how black text looks on a background with the Yxy color 16.1100, 0.4287, 0.2654.



This preview shows how white text looks on a background with the Yxy color 16.1100, 0.4287, 0.2654.

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

16.1100, 0.4287, 0.2654

Protanopia

16.3256, 0.2674, 0.2658

Deuteranopia

16.3701, 0.3307, 0.3252



Tritanopia

16.0773, 0.4837, 0.3230

Trichromacy



Original Color

16.1100, 0.4287, 0.2654

Protanomaly

15.0565, 0.3174, 0.2599

Deuteranomaly

15.4007, 0.3656, 0.2961

Tritanomaly

16.0123, 0.4647, 0.3019

Monochromacy



Original Color

16.1100, 0.4287, 0.2654

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.5785, 0.3537, 0.2962

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1100, 0.4287, 0.2654 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(188, 68, 117)` looks like.

```
.text, #text, p{  
  color:rgb(188, 68, 117)  
}
```

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(188, 68, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 68, 117) }
```

Border

The CSS property to change the border of an element to Yxy 16.1100, 0.4287, 0.2654 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(188, 68, 117) }
```

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

```
.border{ border-color:rgb(188, 68, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 68, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 68, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 68, 117);  
box-shadow:4px 4px 4px 4px rgb(188, 68,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1100, 0.4287, 0.2654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 68, 117) }
```

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

```
.background{ background-color: rgb(188, 68,  
117) }
```

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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