

Converting Colors

$Y_{xy}(16.4779, 0.2932, 0.2272)$

Have a look what the booklet for
Yxy(16.4779, 0.2932, 0.2272)
contains.

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Color

Yxy(16.4444, 0.2930, 0.2266)

Conversions

Conversions Part 1

Format	Color
Hex	8C609F
RGB	140, 96, 159
RGB Percent	55%, 38%, 62%
CMY	0.4508, 0.6236, 0.3764
CMYK	0.12, 0.40, 0.00, 0.38
HSL	282°, 25%, 50%
HSV	282°, 40%, 62%
XYZ	21.2631, 16.4444, 34.8627
YIQ	116.3380, 6.0010, 28.9210

Conversions

Conversions Part 2

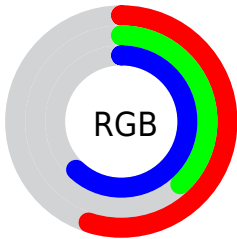
Format	Color
R _Y B	140, 96, 159
Decimal	9199775
CIE Lab	47.55, 29.60, -27.25
CIE LCh	48, 40.232, 317.362
Yxy	16.4444, 0.2930, 0.2266
Android (android.graphics.Color)	4287389855 (0xFF8C609F)
YUV	116.3380, 21.0324, 20.7516
Hunter-Lab	40.5517, 22.6300, -22.5860

Details

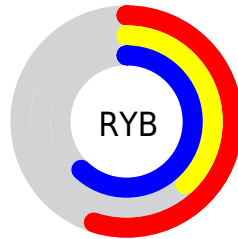
The Yxy color **16.4444, 0.2930, 0.2266** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **29.2884, 0.3247, 0.4408**, and the grayscale version is **17.5077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3246, 0.2988, 0.2474**, and **5.2501, 0.2813, 0.1909** is the 20% darker color. If you saturate the color by 10%, you get **13.4249, 0.2862, 0.2004**, and if you desaturate by 10%, it is **20.0702, 0.2991, 0.2534**.

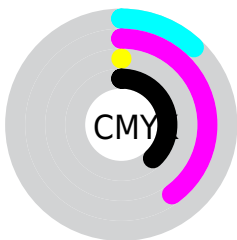
Distribution



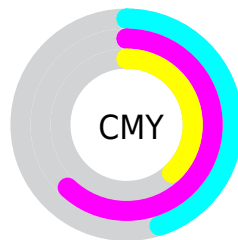
- Red (55%)
- Green (38%)
- Blue (62%)



- Red (55%)
- Yellow (38%)
- Blue (62%)



- Cyan (12%)
- Magenta (40%)
- Yellow (0%)
- Black (38%)




- Cyan (45%)
- Magenta (62%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4444, 0.2930, 0.2266 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 16.4444, 0.2930, 0.2266 by changing the saturation by 10% instead.


 16.4444, 0.2930,
0.2266

 16.4444, 0.2930,
0.2266


231.9499, 0.3057,
0.2821


 9.8392, 0.2885,
0.2114


 37.3680, 0.2985,
0.2478


 5.2924, 0.2819,
0.1912


 52.4552, 0.3003,
0.2554

 2.4199, 0.2711,
0.1632

 71.1384, 0.3017,
0.2618

 0.8361, 0.2519,
0.1229

 93.8022, 0.3028,
0.2671

 0.0000, 0.2085,
0.0000

120.8308, 0.3037,
0.2717

 0.0000, 0.0000,
0.0000

152.6087, 0.3045,

0.2757

189.5203, 0.3052,
0.2791

■ 16.4444, 0.2930,
0.2266

■ 16.4444, 0.2930,
0.2266

■ 13.4249, 0.2862,
0.2004

■ 20.0702, 0.2991,
0.2534

■ 10.9738, 0.2787,
0.1760

■ 24.3332, 0.3045,
0.2800

■ 9.0522, 0.2708,
0.1543


■ 29.2644, 0.3090,
0.3056

■ 7.6150, 0.2628,
0.1365


■ 34.8923, 0.3128,
0.3298


■ 6.6096, 0.2548,
0.1232


■ 41.2438, 0.3160,
0.3523


 5.9173, 0.2471,
0.1137

 48.3441, 0.3186,
0.3730

 5.8939, 0.2468,
0.1133

 56.2175, 0.3207,
0.3919

 64.8868, 0.3223,
0.4090

 74.3743, 0.3236,
0.4244

Harmonies

Analogous

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



16.4444, 0.2270, 0.2100



16.4444, 0.2930, 0.2266



16.4444, 0.3745, 0.2636

Triad

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



16.4444, 0.2930, 0.2266



16.4444, 0.4480, 0.4287



16.4444, 0.1954, 0.3235

Complementary

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



16.4444, 0.2930, 0.2266



29.2884, 0.3247, 0.4408

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.



16.4444, 0.2445, 0.4091



16.4444, 0.2930, 0.2266



16.4444, 0.3902, 0.4696

Square

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



16.4444, 0.2930, 0.2266



16.4444, 0.4702, 0.3722



16.4444, 0.3157, 0.4681



16.4444, 0.1768, 0.2548

Rectangle

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



16.4444, 0.2930, 0.2266



16.4444, 0.4239, 0.2966



16.4444, 0.3157, 0.4681



16.4444, 0.2085, 0.3518

Sweetspot

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



16.4451, 0.2930, 0.2266



49.9968, 0.3079, 0.2991



17.4666, 0.2472, 0.2493



11.0260, 0.3074, 0.2961



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



16.4451, 0.2930, 0.2266



24.3967, 0.2867, 0.2023



17.8557, 0.3321, 0.2493



6.6543, 0.3092, 0.3066



4.6764, 0.2475, 0.1137



0.1044, 0.2785, 0.1308

Inverse Universe

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



16.9712, 0.3792, 0.2983



25.6141, 0.4032, 0.2914



28.3613, 0.2982, 0.4249



6.6774, 0.3239, 0.3223



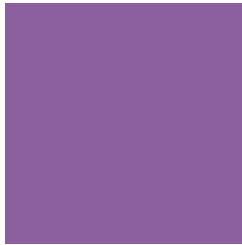
5.9960, 0.5708, 0.2918



0.1142, 0.4697, 0.2361

Previews

White Background



This preview shows how the Yxy color 16.4444, 0.2930, 0.2266 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 16.4444, 0.2930, 0.2266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

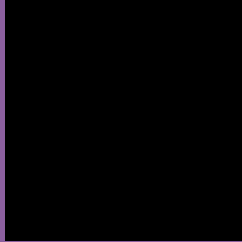
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4444, 0.2930, 0.2266

Background



This preview shows how black text looks on a background with the Yxy color 16.4444, 0.2930, 0.2266.



This preview shows how white text looks on a background with the Yxy color 16.4444, 0.2930, 0.2266.

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

16.4444, 0.2930, 0.2266

Protanopia

16.5845, 0.2331, 0.2216

Deuteranopia

16.6413, 0.2515, 0.2471



Tritanopia

16.5095, 0.3400, 0.3142

Trichromacy



Original Color

16.4444, 0.2930, 0.2266

Protanomaly

16.3493, 0.2507, 0.2224

Deuteranomaly

16.3198, 0.2650, 0.2379

Tritanomaly

16.3487, 0.3233, 0.2792

Monochromacy



Original Color

16.4444, 0.2930, 0.2266

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.9632, 0.3056, 0.2865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4444, 0.2930, 0.2266 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(140, 96, 159)` looks like.

```
.text, #text, p{  
  color:rgb(140, 96, 159)  
}
```

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(140, 96, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 96, 159) }
```

Border

The CSS property to change the border of an element to Yxy 16.4444, 0.2930, 0.2266 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(140, 96, 159) }
```

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

```
.border{ border-color:rgb(140, 96, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 96, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 96, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 96, 159);  
box-shadow:4px 4px 4px 4px rgb(140, 96,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4444, 0.2930, 0.2266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 96, 159) }
```

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

```
.background{ background-color: rgb(140, 96,  
159) }
```

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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