

Converting Colors

$Y_{xy}(16.8471, 0.3466, 0.2723)$

Have a look what the booklet for
Yxy(16.8471, 0.3466, 0.2723)
contains.

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Color

Yxy(16.7767, 0.3467, 0.2716)

Conversions

Conversions Part 1

Format	Color
Hex	996083
RGB	153, 96, 131
RGB Percent	60%, 38%, 51%
CMY	0.4000, 0.6235, 0.4863
CMYK	0.00, 0.37, 0.14, 0.40
HSL	323°, 23%, 49%
HSV	323°, 37%, 60%
XYZ	21.4156, 16.7767, 23.5776
YIQ	117.0330, 22.7370, 22.9690

Conversions

Conversions Part 2

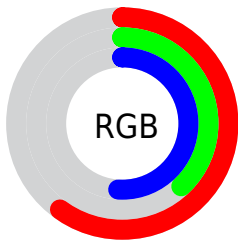
Format	Color
R_{YB}	153, 96, 131
Decimal	10051715
CIE Lab	47.98, 28.49, -9.79
CIE LCh	48, 30.124, 341.027
Yxy	16.7767, 0.3467, 0.2716
Android (android.graphics.Color)	4288241795 (0xFF996083)
YUV	117.0330, 6.8857, 31.5431
Hunter-Lab	40.9594, 21.6499, -5.4577

Details

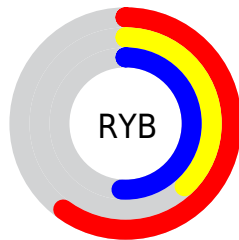
The Yxy color **16.7767, 0.3467, 0.2716** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.5779, 0.2895, 0.3948**, and the grayscale version is **17.7732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0504, 0.3387, 0.2848**, and **5.4898, 0.3602, 0.2489** is the 20% darker color. If you saturate the color by 10%, you get **14.0962, 0.3596, 0.2564**, and if you desaturate by 10%, it is **20.0112, 0.3355, 0.2874**.

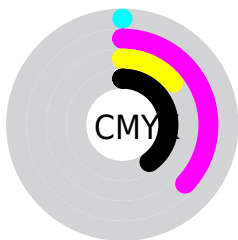
Distribution



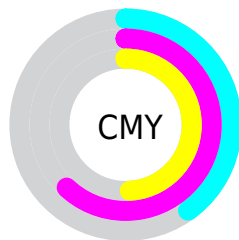
- Red (60%)
- Green (38%)
- Blue (51%)



- Red (60%)
- Yellow (38%)
- Blue (51%)



- Cyan (0%)
- Magenta (37%)
- Yellow (14%)
- Black (40%)



- Cyan (40%)
- Magenta (62%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7767, 0.3467, 0.2716 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 16.7767, 0.3467, 0.2716 by changing the saturation by 10% instead.


 16.7767, 0.3467,
0.2716


 16.7767, 0.3467,
0.2716


233.8823, 0.3275,
0.3038


 10.0754, 0.3524,
0.2622


 37.9414, 0.3391,
0.2842


 5.4490, 0.3604,
0.2491


 53.1737, 0.3365,
0.2887

 2.5130, 0.3723,
0.2298

 72.0184, 0.3343,
0.2923

 0.8832, 0.3920,
0.1987

 94.8599, 0.3325,
0.2954

 0.0000, 0.5226,
0.0000

122.0827, 0.3309,
0.2980

 0.0000, 0.0000,
0.0000

154.0710, 0.3296,

0.3002

191.2094, 0.3285,
0.3021

■ 16.7767, 0.3467,
0.2716

■ 16.7767, 0.3467,
0.2716

■ 14.0962, 0.3596,
0.2564

■ 20.0112, 0.3355,
0.2874

■ 11.9356, 0.3740,
0.2428

■ 23.8267, 0.3259,
0.3031

■ 10.2607, 0.3899,
0.2316


■ 28.2511, 0.3178,
0.3184


■ 9.0319, 0.4068,
0.2240


■ 33.3099, 0.3110,
0.3329

■ 8.2036, 0.4241,
0.2209

■ 39.0270, 0.3052,
0.3465


 7.6995, 0.4413,
0.2225

 45.4253, 0.3005,
0.3591

 7.5788, 0.4462,
0.2231

 52.5262, 0.2965,
0.3708

 60.3507, 0.2932,
0.3815

 68.9183, 0.2904,
0.3913

Harmonies

Analogous

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



16.7767, 0.2868, 0.2451



16.7767, 0.3467, 0.2716



16.7767, 0.4010, 0.3108

Triad

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



16.7767, 0.3467, 0.2716



16.7767, 0.3847, 0.4312



16.7767, 0.2086, 0.2841

Complementary

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



16.7767, 0.3467, 0.2716



26.5779, 0.2895, 0.3948

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.



16.7767, 0.2297, 0.3396



16.7767, 0.3467, 0.2716



16.7767, 0.3298, 0.4338

Square

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



16.7767, 0.3467, 0.2716



16.7767, 0.4222, 0.4000



16.7767, 0.2731, 0.3986



16.7767, 0.2120, 0.2486

Rectangle

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



16.7767, 0.3467, 0.2716



16.7767, 0.4237, 0.3408



16.7767, 0.2731, 0.3986



16.7767, 0.2129, 0.3008

Sweetspot

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



16.7775, 0.3467, 0.2716



47.3184, 0.3209, 0.3124



14.5081, 0.2720, 0.2270



10.2336, 0.3218, 0.3106



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



16.7775, 0.3467, 0.2716



25.8425, 0.3577, 0.2584



16.1115, 0.3898, 0.3180



6.2832, 0.3193, 0.3154



6.2704, 0.4450, 0.2225



0.1008, 0.3804, 0.1869

Inverse Universe

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



16.7775, 0.3467, 0.2716



25.8425, 0.3577, 0.2584



27.3557, 0.2670, 0.3408



6.2832, 0.3193, 0.3154



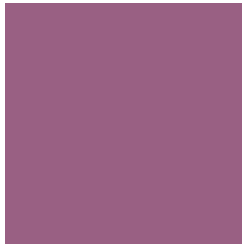
6.2704, 0.4450, 0.2225



0.1008, 0.3804, 0.1869

Previews

White Background



This preview shows how the Yxy color 16.7767, 0.3467, 0.2716 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 16.7767, 0.3467, 0.2716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

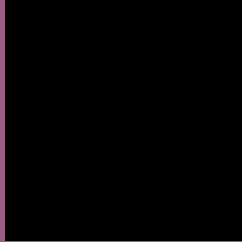
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7767, 0.3467, 0.2716

Background



This preview shows how black text looks on a background with the Yxy color 16.7767, 0.3467, 0.2716.



This preview shows how white text looks on a background with the Yxy color 16.7767, 0.3467, 0.2716.

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

16.7767, 0.3467, 0.2716

Protanopia

16.9192, 0.2721, 0.2720

Deuteranopia

16.8493, 0.3026, 0.2966



Tritanopia

16.6811, 0.3752, 0.3154

Trichromacy



Original Color

16.7767, 0.3467, 0.2716

Protanomaly

16.6646, 0.2961, 0.2706

Deuteranomaly

16.7183, 0.3174, 0.2872

Tritanomaly

16.7639, 0.3650, 0.3003

Monochromacy



Original Color

16.7767, 0.3467, 0.2716

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.0882, 0.3246, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7767, 0.3467, 0.2716 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(153, 96, 131)` looks like.

```
.text, #text, p{  
    color:rgb(153, 96, 131)  
}
```

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(153, 96, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 96, 131) }
```

Border

The CSS property to change the border of an element to Yxy 16.7767, 0.3467, 0.2716 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(153, 96, 131) }
```

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

```
.border{ border-color:rgb(153, 96, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 96, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 96, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 96, 131); box-shadow:4px 4px 4px 4px rgb(153, 96, 131) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7767, 0.3467, 0.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 96, 131) }
```

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

```
.background{ background-color: rgb(153, 96,  
131) }
```

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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