

Converting Colors

$Y_{xy}(16.7945, 0.3267, 0.3089)$

Have a look what the booklet for
Yxy(16.7945, 0.3267, 0.3089)
contains.

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Color

Yxy(16.7242, 0.3273, 0.3085)

Conversions

Conversions Part 1

Format	Color
Hex	816C77
RGB	129, 108, 119
RGB Percent	51%, 42%, 47%
CMY	0.4942, 0.5764, 0.5334
CMYK	0.00, 0.16, 0.08, 0.49
HSL	329°, 9%, 46%
HSV	329°, 16%, 51%
XYZ	17.7434, 16.7242, 19.7438
YIQ	115.5330, 8.9850, 7.8730

Conversions

Conversions Part 2

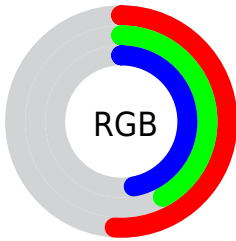
Format	Color
R_{YB}	129, 108, 119
Decimal	8481911
CIE _{Lab}	47.91, 10.28, -3.01
CIE _{LCh}	48, 10.716, 343.680
Yxy	16.7242, 0.3273, 0.3085
Android (android.graphics.Color)	4286671991 (0xFF816C77)
YUV	115.5330, 1.7092, 11.8106
Hunter-Lab	40.8952, 5.8798, 0.0021

Details

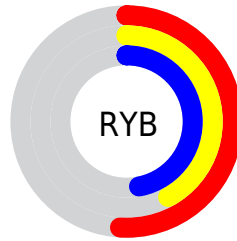
The Yxy color **16.7242, 0.3273, 0.3085** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.1929, 0.3003, 0.3504**, and the grayscale version is **17.3074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6816, 0.3241, 0.3128**, and **5.4979, 0.3339, 0.3002** is the 20% darker color. If you saturate the color by 10%, you get **14.0594, 0.3386, 0.2952**, and if you desaturate by 10%, it is **19.8026, 0.3178, 0.3213**.

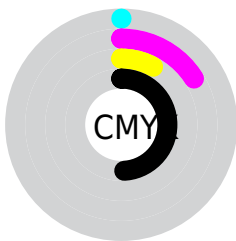
Distribution



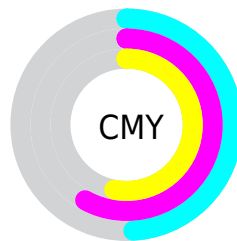
- Red (51%)
- Green (42%)
- Blue (47%)



- Red (51%)
- Yellow (42%)
- Blue (47%)



- Cyan (0%)
- Magenta (16%)
- Yellow (8%)
- Black (49%)




- Cyan (49%)
- Magenta (58%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7242, 0.3273, 0.3085 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 16.7242, 0.3273, 0.3085 by changing the saturation by 10% instead.


 16.7242, 0.3273,
0.3085

 16.7242, 0.3273,
0.3085


233.5780, 0.3189,
0.3203

 10.0380, 0.3299,
0.3048


 37.8510, 0.3239,
0.3133


 5.4242, 0.3337,
0.2996

 53.0604, 0.3227,
0.3149

 2.4982, 0.3397,
0.2914

 71.8797, 0.3218,
0.3162

 0.8758, 0.3503,
0.2770

 94.6932, 0.3210,
0.3173

 0.0000, 1.0000,
0.0000

121.8854, 0.3203,
0.3183

 0.0000, 0.0000,
0.0000

153.8407, 0.3198,

0.3191

190.9434, 0.3193,
0.3197

■ 16.7242, 0.3273,
0.3085

■ 16.7242, 0.3273,
0.3085

■ 14.0594, 0.3386,
0.2952

■ 19.8026, 0.3178,
0.3213

■ 11.7881, 0.3519,
0.2817

■ 23.3091, 0.3099,
0.3334

■ 9.8921, 0.3674,
0.2687

■ 27.2601, 0.3033,
0.3448

■ 8.3505, 0.3852,
0.2568

■ 31.6707, 0.2979,
0.3552

■ 7.1408, 0.4050,
0.2471

■ 36.5551, 0.2933,
0.3649

■ 6.2374, 0.4265,
0.2406

■ 41.9269, 0.2895,
0.3738

■ 5.6112, 0.4489,
0.2384

■ 47.7992, 0.2863,
0.3819

■ 5.2109, 0.4713,
0.2407

■ 54.1847, 0.2837,
0.3894

■ 5.0777, 0.4799,
0.2417

■ 61.0955, 0.2815,
0.3962

Harmonies

Analogous

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



16.7242, 0.3059, 0.2972



16.7242, 0.3273, 0.3085



16.7242, 0.3452, 0.3249

Triad

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



16.7242, 0.3273, 0.3085



16.7242, 0.3383, 0.3659



16.7242, 0.2730, 0.3129

Complementary

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



16.7242, 0.3273, 0.3085



20.1929, 0.3003, 0.3504

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.



16.7242, 0.2811, 0.3320



16.7242, 0.3273, 0.3085



16.7242, 0.3184, 0.3635

Square

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



16.7242, 0.3273, 0.3085



16.7242, 0.3515, 0.3580



16.7242, 0.2975, 0.3509



16.7242, 0.2751, 0.2992

Rectangle

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



16.7242, 0.3273, 0.3085



16.7242, 0.3524, 0.3370



16.7242, 0.2975, 0.3509



16.7242, 0.2746, 0.3189

Sweetspot

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



16.7249, 0.3273, 0.3085



36.1505, 0.3169, 0.3227



16.1493, 0.2999, 0.2888



8.1036, 0.3174, 0.3220



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.7249, 0.3273, 0.3085



27.8613, 0.3318, 0.3029



16.4910, 0.3410, 0.3278



4.3789, 0.3203, 0.3178



4.9531, 0.4797, 0.2416



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.7249, 0.3273, 0.3085



27.8613, 0.3318, 0.3029



20.4509, 0.2899, 0.3303



4.3789, 0.3203, 0.3178



4.9531, 0.4797, 0.2416



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.7242, 0.3273, 0.3085 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 16.7242, 0.3273, 0.3085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

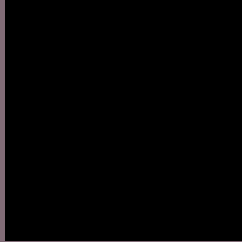
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7242, 0.3273, 0.3085

Background



This preview shows how black text looks on a background with the Yxy color 16.7242, 0.3273, 0.3085.



This preview shows how white text looks on a background with the Yxy color 16.7242, 0.3273, 0.3085.

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

16.7242, 0.3273, 0.3085

Protanopia

16.7261, 0.3020, 0.3112

Deuteranopia

16.6947, 0.3189, 0.3118



Tritanopia

16.6766, 0.3299, 0.3122

Trichromacy



Original Color

16.7242, 0.3273, 0.3085

Protanomaly

16.6713, 0.3110, 0.3096

Deuteranomaly

16.6292, 0.3217, 0.3100

Tritanomaly

16.7003, 0.3286, 0.3103

Monochromacy



Original Color

16.7242, 0.3273, 0.3085

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.1596, 0.3183, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7242, 0.3273, 0.3085 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(129, 108, 119)` looks like.

```
.text, #text, p{  
    color:rgb(129, 108, 119)  
}
```

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(129, 108, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 108, 119) }
```

Border

The CSS property to change the border of an element to Yxy 16.7242, 0.3273, 0.3085 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(129, 108, 119) }
```

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

```
.border{ border-color:rgb(129, 108, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 108, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 108, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 108, 119);  
box-shadow:4px 4px 4px 4px rgb(129, 108,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7242, 0.3273, 0.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 108, 119) }
```

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

```
.background{ background-color: rgb(129,  
108, 119) }
```

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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