

Converting Colors

$Y_{xy}(16.8820, 0.3326, 0.3368)$

Have a look what the booklet for
Yxy(16.8820, 0.3326, 0.3368)
contains.

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Color

Yxy(16.8820, 0.3326, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	7B706C
RGB	123, 112, 108
RGB Percent	48%, 44%, 42%
CMY	0.5176, 0.5608, 0.5764
CMYK	0.00, 0.09, 0.12, 0.52
HSL	16°, 6%, 45%
HSV	16°, 12%, 48%
XYZ	16.6715, 16.8820, 16.5712
YIQ	114.8330, 7.8400, 1.0880

Conversions

Conversions Part 2

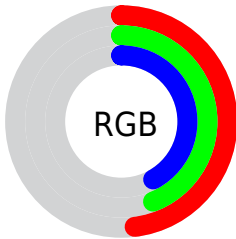
Format	Color
RYB	123, 113, 108
Decimal	8089708
CIELab	48.11, 3.55, 3.76
CIElCh	48, 5.165, 46.641
Yxy	16.8820, 0.3326, 0.3368
Android (android.graphics.Color)	4286279788 (0xFF7B706C)
YUV	114.8330, -3.3687, 7.1625
Hunter-Lab	41.0877, 0.5235, 4.8489

Details

The Yxy color **16.8820, 0.3326, 0.3368** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.8211, 0.2948, 0.3211**, and the grayscale version is **17.1009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2842, 0.3286, 0.3360**, and **5.4596, 0.3408, 0.3383** is the 20% darker color. If you saturate the color by 10%, you get **14.7440, 0.3523, 0.3436**, and if you desaturate by 10%, it is **19.2586, 0.3160, 0.3304**.

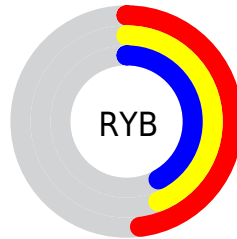
Distribution



Red (48%)

Green (44%)

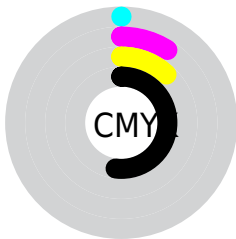
Blue (42%)



Red (48%)

Yellow (44%)

Blue (42%)

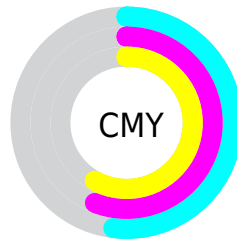


Cyan (0%)

Magenta (9%)

Yellow (12%)

Black (52%)



Cyan (52%)


Magenta (56%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8820, 0.3326, 0.3368 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 16.8820, 0.3326, 0.3368 by changing the saturation by 10% instead.


 16.8820, 0.3326,
0.3368


 16.8820, 0.3326,
0.3368


234.4915, 0.3210,
0.3323


 10.1504, 0.3363,
0.3382


 38.1228, 0.3278,
0.3350


 5.4988, 0.3417,
0.3401

 53.4007, 0.3262,
0.3344

 2.5428, 0.3503,
0.3431

 72.2963, 0.3249,
0.3339

 0.8980, 0.3691,
0.3512

 95.1938, 0.3238,
0.3335

 0.0000, 0.0000,
0.0000

122.4777, 0.3229,
0.3331

154.5323, 0.3222,

0.3328

191.7421, 0.3215,
0.3326

■ 16.8820, 0.3326,
0.3368

■ 16.8820, 0.3326,
0.3368

■ 14.7440, 0.3523,
0.3436

■ 19.2586, 0.3160,
0.3304

■ 12.8350, 0.3755,
0.3507

■ 21.8786, 0.3020,
0.3244

■ 11.1479, 0.4027,
0.3577

■ 24.7496, 0.2902,
0.3189

■ 9.6744, 0.4338,
0.3640

■ 27.8781, 0.2802,
0.3138

■ 8.4058, 0.4685,
0.3691

■ 31.2703, 0.2716,
0.3092

■ 7.3327, 0.5054,
0.3719

■ 34.9323, 0.2643,
0.3051

■ 6.4449, 0.5419,
0.3715

■ 38.8700, 0.2581,
0.3012

■ 5.7311, 0.5747,
0.3671

■ 43.0889, 0.2527,
0.2978

■ 5.2807, 0.5984,
0.3630

■ 47.5947, 0.2480,
0.2946

Harmonies

Analogous

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



16.8820, 0.3289, 0.3281



16.8820, 0.3326, 0.3368



16.8820, 0.3309, 0.3437

Triad

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



16.8820, 0.3326, 0.3368



16.8820, 0.3046, 0.3386



16.8820, 0.3011, 0.3118

Complementary

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



16.8820, 0.3326, 0.3368



17.8211, 0.2948, 0.3211

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.



16.8820, 0.2948, 0.3142



16.8820, 0.3326, 0.3368



16.8820, 0.2968, 0.3297

Square

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



16.8820, 0.3326, 0.3368



16.8820, 0.3146, 0.3449



16.8820, 0.2933, 0.3207



16.8820, 0.3106, 0.3138

Rectangle

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



16.8820, 0.3326, 0.3368



16.8820, 0.3269, 0.3462



16.8820, 0.2933, 0.3207



16.8820, 0.2986, 0.3121

Sweetspot

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



16.8827, 0.3326, 0.3368



33.6347, 0.3189, 0.3315



16.2787, 0.3188, 0.3074



7.8540, 0.3200, 0.3320



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

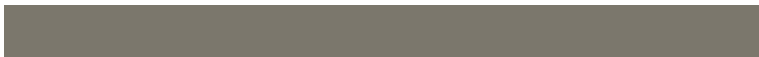
The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.8827, 0.3326, 0.3368



28.9637, 0.3385, 0.3389



18.5519, 0.3309, 0.3506



4.1722, 0.3271, 0.3347



5.4532, 0.5987, 0.3628



24.7953, 0.6074, 0.3559

Inverse Universe

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



17.8211, 0.2948, 0.3211



31.0364, 0.2902, 0.3189



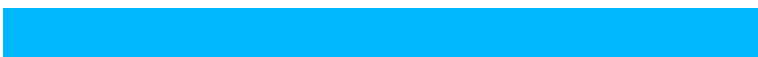
16.1561, 0.2945, 0.3064



4.3410, 0.2994, 0.3232



9.0960, 0.2010, 0.2435



41.9383, 0.1996, 0.2386

Previews

White Background



This preview shows how the Yxy color 16.8820, 0.3326, 0.3368 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 16.8820, 0.3326, 0.3368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

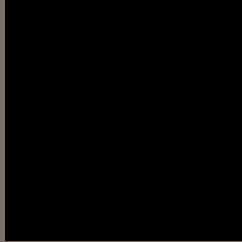
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8820, 0.3326, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 16.8820, 0.3326, 0.3368.

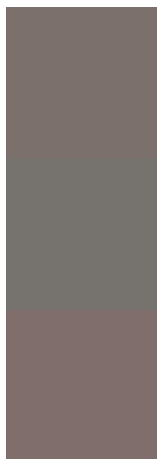


This preview shows how white text looks on a background with the Yxy color 16.8820, 0.3326, 0.3368.

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

16.8820, 0.3326, 0.3368

Protanopia

16.9903, 0.3241, 0.3389

Deuteranopia

16.7466, 0.3386, 0.3329



Tritanopia

16.7689, 0.3202, 0.3119

Trichromacy



Original Color

16.8820, 0.3326, 0.3368

Protanomaly

16.9075, 0.3270, 0.3369

Deuteranomaly

16.8872, 0.3370, 0.3348

Tritanomaly

16.8918, 0.3252, 0.3214

Monochromacy



Original Color

16.8820, 0.3326, 0.3368

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.0560, 0.3204, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8820, 0.3326, 0.3368 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(123, 112, 108)` looks like.

```
.text, #text, p{  
    color:rgb(123, 112, 108)  
}
```

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(123, 112, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 112, 108) }
```

Border

The CSS property to change the border of an element to Yxy 16.8820, 0.3326, 0.3368 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(123, 112, 108) }
```

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

```
.border{ border-color:rgb(123, 112, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 112, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 112, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 112, 108);  
box-shadow:4px 4px 4px 4px rgb(123, 112,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8820, 0.3326, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 112, 108) }
```

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

```
.background{ background-color: rgb(123,  
112, 108) }
```

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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