

Converting Colors

$Y_{xy}(16.8804, 0.3767, 0.2870)$

Have a look what the booklet for
Yxy(16.8804, 0.3767, 0.2870)
contains.

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Color

Yxy(16.8661, 0.3768, 0.2862)

Conversions

Conversions Part 1

Format	Color
Hex	A25D78
RGB	162, 93, 120
RGB Percent	64%, 36%, 47%
CMY	0.3647, 0.6353, 0.5293
CMYK	0.00, 0.43, 0.26, 0.36
HSL	337°, 27%, 50%
HSV	337°, 43%, 64%
XYZ	22.2053, 16.8661, 19.8598
YIQ	116.7090, 32.4570, 23.0250

Conversions

Conversions Part 2

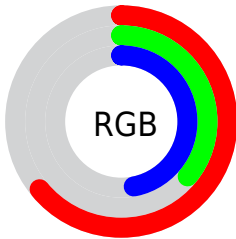
Format	Color
R _Y B	162, 93, 120
Decimal	10640760
CIE Lab	48.09, 31.69, -2.92
CIE LCh	48, 31.828, 354.733
Yxy	16.8661, 0.3768, 0.2862
Android (android.graphics.Color)	4288830840 (0xFFA25D78)
YUV	116.7090, 1.6225, 39.7202
Hunter-Lab	41.0684, 24.6436, 0.0764

Details

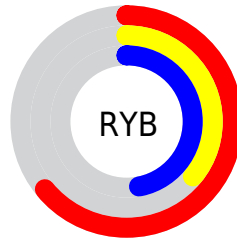
The Yxy color **16.8661, 0.3768, 0.2862** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **29.9161, 0.2751, 0.3774**, and the grayscale version is **17.6825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1348, 0.3616, 0.2966**, and **5.4574, 0.4034, 0.2667** is the 20% darker color. If you saturate the color by 10%, you get **14.0907, 0.4001, 0.2768**, and if you desaturate by 10%, it is **20.2701, 0.3570, 0.2964**.

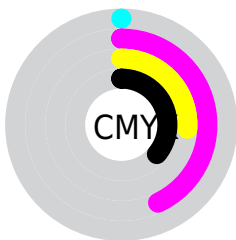
Distribution



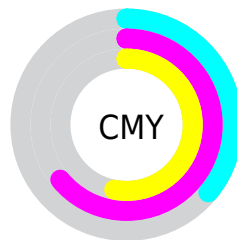
- Red (64%)
- Green (36%)
- Blue (47%)



- Red (64%)
- Yellow (36%)
- Blue (47%)



- Cyan (0%)
- Magenta (43%)
- Yellow (26%)
- Black (36%)




- Cyan (36%)
- Magenta (64%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8661, 0.3768, 0.2862 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 16.8661, 0.3768, 0.2862 by changing the saturation by 10% instead.


 16.8661, 0.3768,
0.2862


 16.8661, 0.3768,
0.2862


234.3996, 0.3397,
0.3107


 10.1391, 0.3883,
0.2787


 38.0954, 0.3618,
0.2960


 5.4913, 0.4049,
0.2682

 53.3665, 0.3566,
0.2994

 2.5383, 0.4305,
0.2521

 72.2544, 0.3525,
0.3022

 0.8957, 0.4751,
0.2248

 95.1434, 0.3490,
0.3045

 0.0000, 1.0000,
0.0000

122.4181, 0.3461,
0.3064

 0.0000, 0.0000,
0.0000

154.4627, 0.3437,

0.3081

191.6618, 0.3415,
0.3095

■ 16.8661, 0.3768,
0.2862

■ 16.8661, 0.3768,
0.2862

■ 14.0907, 0.4001,
0.2768

■ 20.2701, 0.3570,
0.2964

■ 11.9025, 0.4267,
0.2693

■ 24.3361, 0.3404,
0.3068

■ 10.2586, 0.4561,
0.2647


■ 29.0979, 0.3266,
0.3170

■ 9.1093, 0.4870,
0.2642

■ 34.5862, 0.3153,
0.3266


■ 8.3957, 0.5173,
0.2687


■ 40.8300, 0.3060,
0.3356

 8.0449, 0.5388,
0.2742

 47.8567, 0.2983,
0.3439

 55.6923, 0.2920,
0.3516

 64.3615, 0.2868,
0.3586

 73.8880, 0.2824,
0.3649

Harmonies

Analogous

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



16.8661, 0.3134, 0.2518



16.8661, 0.3768, 0.2862



16.8661, 0.4240, 0.3309

Triad

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



16.8661, 0.3768, 0.2862



16.8661, 0.3630, 0.4429



16.8661, 0.2021, 0.2614

Complementary

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



16.8661, 0.3768, 0.2862



29.9161, 0.2751, 0.3774

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.



16.8661, 0.2123, 0.3111



16.8661, 0.3768, 0.2862



16.8661, 0.3023, 0.4278

Square

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



16.8661, 0.3768, 0.2862



16.8661, 0.4129, 0.4209



16.8661, 0.2475, 0.3754



16.8661, 0.2171, 0.2358

Rectangle

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



16.8661, 0.3768, 0.2862



16.8661, 0.4368, 0.3629



16.8661, 0.2475, 0.3754



16.8661, 0.2027, 0.2755

Sweetspot

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



16.8669, 0.3768, 0.2862



52.2184, 0.3275, 0.3163



15.5391, 0.2825, 0.2159



11.2952, 0.3302, 0.3142



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



16.8669, 0.3768, 0.2862



25.8616, 0.3985, 0.2774



17.5672, 0.4151, 0.3404



7.1297, 0.3226, 0.3202



6.3461, 0.5366, 0.2730



0.1425, 0.4448, 0.2224

Inverse Universe

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



16.8669, 0.3768, 0.2862



25.8616, 0.3985, 0.2774



28.4114, 0.2540, 0.3169



7.1297, 0.3226, 0.3202



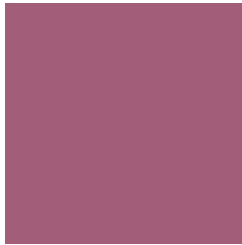
6.3461, 0.5366, 0.2730



0.1425, 0.4448, 0.2224

Previews

White Background



This preview shows how the Yxy color 16.8661, 0.3768, 0.2862 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 16.8661, 0.3768, 0.2862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

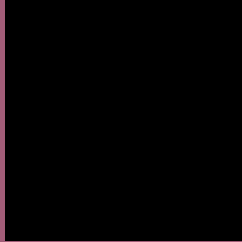
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8661, 0.3768, 0.2862

Background



This preview shows how black text looks on a background with the Yxy color 16.8661, 0.3768, 0.2862.



This preview shows how white text looks on a background with the Yxy color 16.8661, 0.3768, 0.2862.

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

16.8661, 0.3768, 0.2862

Protanopia

17.1076, 0.2872, 0.2923

Deuteranopia

17.0132, 0.3240, 0.3176



Tritanopia

16.8186, 0.3993, 0.3179

Trichromacy



Original Color

16.8661, 0.3768, 0.2862

Protanomaly

16.6124, 0.3173, 0.2887

Deuteranomaly

16.6119, 0.3421, 0.3038

Tritanomaly

16.8656, 0.3918, 0.3066

Monochromacy



Original Color

16.8661, 0.3768, 0.2862

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.0197, 0.3341, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8661, 0.3768, 0.2862 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(162, 93, 120)` looks like.

```
.text, #text, p{  
  color:rgb(162, 93, 120)  
}
```

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(162, 93, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 93, 120) }
```

Border

The CSS property to change the border of an element to Yxy 16.8661, 0.3768, 0.2862 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(162, 93, 120) }
```

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

```
.border{ border-color:rgb(162, 93, 120) }
```

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

Here you see how a box with a 4 pixel rgb(162, 93, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 93, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 93, 120);  
box-shadow:4px 4px 4px 4px rgb(162, 93,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8661, 0.3768, 0.2862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 93, 120) }
```

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

```
.background{ background-color: rgb(162, 93,  
120) }
```

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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