

Converting Colors

$Y_{xy}(16.8500, 0.3274, 0.2925)$

Have a look what the booklet for
Yxy(16.8500, 0.3274, 0.2925)
contains.

Yxy(16.7604, 0.3268, 0.2912)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7604, 0.3268, 0.2912)

Conversions

Conversions Part 1

Format	Color
Hex	87697E
RGB	135, 105, 126
RGB Percent	53%, 41%, 49%
CMY	0.4706, 0.5882, 0.5058
CMYK	0.00, 0.22, 0.07, 0.47
HSL	318°, 12%, 47%
HSV	318°, 22%, 53%
XYZ	18.8094, 16.7604, 21.9865
YIQ	116.3640, 11.1390, 12.8910

Conversions

Conversions Part 2

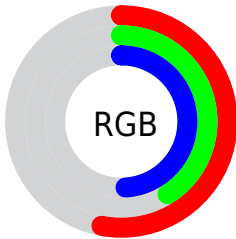
Format	Color
R_{YB}	135, 105, 126
Decimal	8874366
CIE Lab	47.96, 15.70, -7.07
CIE LCh	48, 17.214, 335.768
Yxy	16.7604, 0.3268, 0.2912
Android (android.graphics.Color)	4287064446 (0xFF87697E)
YUV	116.3640, 4.7505, 16.3438
Hunter-Lab	40.9395, 10.3667, -3.1840

Details

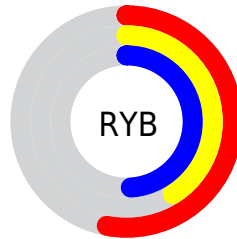
The Yxy color **16.7604, 0.3268, 0.2912** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.5453, 0.3010, 0.3701**, and the grayscale version is **17.5656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8504, 0.3238, 0.2988**, and **5.4932, 0.3328, 0.2771** is the 20% darker color. If you saturate the color by 10%, you get **14.1236, 0.3348, 0.2736**, and if you desaturate by 10%, it is **19.8395, 0.3199, 0.3086**.

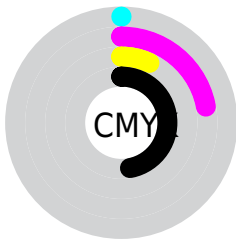
Distribution



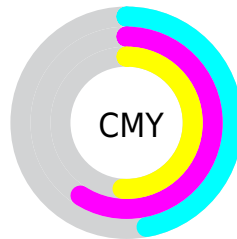
- Red (53%)
- Green (41%)
- Blue (49%)



- Red (53%)
- Yellow (41%)
- Blue (49%)



- Cyan (0%)
- Magenta (22%)
- Yellow (7%)
- Black (47%)




- Cyan (47%)
- Magenta (59%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7604, 0.3268, 0.2912 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 16.7604, 0.3268, 0.2912 by changing the saturation by 10% instead.

 16.7604, 0.3268,
0.2912


 16.7604, 0.3268,
0.2912


233.7878, 0.3188,
0.3127

 10.0638, 0.3292,
0.2847


 37.9134, 0.3236,
0.2998


 5.4413, 0.3325,
0.2755


 53.1385, 0.3225,
0.3028

 2.5084, 0.3375,
0.2616

 71.9753, 0.3216,
0.3052

 0.8809, 0.3458,
0.2380

 94.8082, 0.3209,
0.3072

 0.0000, 0.4045,
0.0000

122.0214, 0.3203,
0.3089

 0.0000, 0.0000,
0.0000

153.9995, 0.3197,

0.3104

191.1269, 0.3192,
0.3116

■ 16.7604, 0.3268,
0.2912

■ 16.7604, 0.3268,
0.2912

■ 14.1236, 0.3348,
0.2736

■ 19.8395, 0.3199,
0.3086

■ 11.9062, 0.3440,
0.2563

■ 23.3779, 0.3139,
0.3254

■ 10.0868, 0.3542,
0.2401

■ 27.3945, 0.3089,
0.3413

■ 8.6410, 0.3654,
0.2259

■ 31.9063, 0.3046,
0.3562

■ 7.5418, 0.3774,
0.2146

■ 36.9297, 0.3010,
0.3700

6.7585, 0.3897,
0.2073

42.4801, 0.2980,
0.3828

6.2551, 0.4019,
0.2045

48.5724, 0.2955,
0.3945

5.9689, 0.4116,
0.2041

55.2209, 0.2934,
0.4052

62.4393, 0.2917,
0.4151

Harmonies

Analogous

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



16.7604, 0.2927, 0.2766



16.7604, 0.3268, 0.2912



16.7604, 0.3584, 0.3147

Triad

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



16.7604, 0.3268, 0.2912



16.7604, 0.3603, 0.3863



16.7604, 0.2519, 0.3098

Complementary

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



16.7604, 0.3268, 0.2912



21.5453, 0.3010, 0.3701

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.



16.7604, 0.2681, 0.3419



16.7604, 0.3268, 0.2912



16.7604, 0.3301, 0.3883

Square

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



16.7604, 0.3268, 0.2912



16.7604, 0.3781, 0.3687



16.7604, 0.2964, 0.3718



16.7604, 0.2510, 0.2855

Rectangle

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



16.7604, 0.3268, 0.2912



16.7604, 0.3731, 0.3331



16.7604, 0.2964, 0.3718



16.7604, 0.2557, 0.3200

Sweetspot

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



16.7611, 0.3268, 0.2912



38.6328, 0.3167, 0.3172



15.3970, 0.2873, 0.2714



8.8774, 0.3170, 0.3164



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



16.7611, 0.3268, 0.2912



27.3773, 0.3310, 0.2817



16.4132, 0.3466, 0.3171



4.7397, 0.3179, 0.3139



5.5067, 0.4112, 0.2039



0.0204, 0.3623, 0.1770

Inverse Universe

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



16.7611, 0.3268, 0.2912



27.3773, 0.3310, 0.2817



21.9024, 0.2870, 0.3413



4.7397, 0.3179, 0.3139



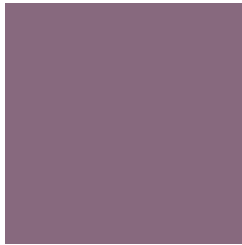
5.5067, 0.4112, 0.2039



0.0204, 0.3623, 0.1770

Previews

White Background



This preview shows how the Yxy color 16.7604, 0.3268, 0.2912 looks on a white background.

Color Contrast Check

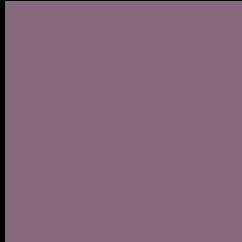
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7604, 0.3268, 0.2912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

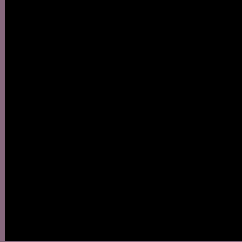
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7604, 0.3268, 0.2912

Background



This preview shows how black text looks on a background with the Yxy color 16.7604, 0.3268, 0.2912.



This preview shows how white text looks on a background with the Yxy color 16.7604, 0.3268, 0.2912.

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

16.7604, 0.3268, 0.2912

Protanopia

16.8285, 0.2893, 0.2940

Deuteranopia

16.8426, 0.3074, 0.3022



Tritanopia

16.8215, 0.3398, 0.3143

Trichromacy



Original Color

16.7604, 0.3268, 0.2912

Protanomaly

16.7299, 0.3027, 0.2930

Deuteranomaly

16.7779, 0.3141, 0.2990

Tritanomaly

16.7083, 0.3346, 0.3053

Monochromacy



Original Color

16.7604, 0.3268, 0.2912

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.1554, 0.3174, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7604, 0.3268, 0.2912 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(135, 105, 126)` looks like.

```
.text, #text, p{  
    color:rgb(135, 105, 126)  
}
```

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(135, 105, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 105, 126) }
```

Border

The CSS property to change the border of an element to Yxy 16.7604, 0.3268, 0.2912 is called "border". The border property can be set on classes, ids or directly on the HTML element.

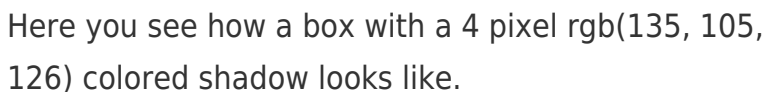
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 105, 126) }
```

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

```
.border{ border-color:rgb(135, 105, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 105, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 105, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 105, 126); box-shadow:4px 4px 4px 4px rgb(135, 105, 126) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7604, 0.3268, 0.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 105, 126) }
```

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

```
.background{ background-color: rgb(135,  
105, 126) }
```

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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