

Converting Colors

$Yxy(16.1346, 0.3089, 0.3485)$

Have a look what the booklet for
Yxy(16.1346, 0.3089, 0.3485)
contains.

Yxy(16.1856, 0.3080, 0.3480)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.1856, 0.3080, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	67736A
RGB	103, 115, 106
RGB Percent	40%, 45%, 42%
CMY	0.5961, 0.5490, 0.5844
CMYK	0.10, 0.00, 0.08, 0.55
HSL	135°, 6%, 43%
HSV	135°, 10%, 45%
XYZ	14.3252, 16.1856, 15.9996
YIQ	110.3860, -4.2630, -5.3430

Conversions

Conversions Part 2

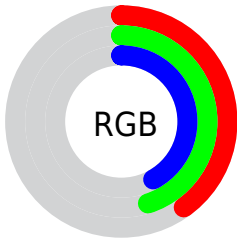
Format	Color
R_{YB}	103, 113, 115
Decimal	6779754
CIE Lab	47.22, -6.40, 3.46
CIE LCh	47, 7.274, 151.631
Yxy	16.1856, 0.3080, 0.3480
Android (android.graphics.Color)	4284969834 (0xFF67736A)
YUV	110.3860, -2.1623, -6.4775
Hunter-Lab	40.2313, -6.8463, 4.5829

Details

The Yxy color **16.1856, 0.3080, 0.3480** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.5167, 0.3178, 0.3107**, and the grayscale version is **15.7170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9418, 0.3093, 0.3438**, and **5.1708, 0.3053, 0.3566** is the 20% darker color. If you saturate the color by 10%, you get **15.3814, 0.3035, 0.3685**, and if you desaturate by 10%, it is **17.1028, 0.3125, 0.3297**.

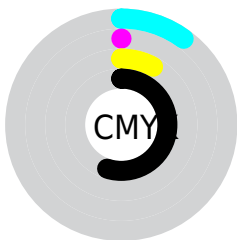
Distribution



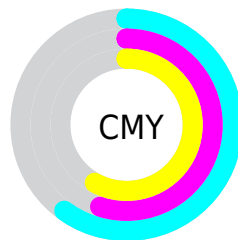
- Red (40%)
- Green (45%)
- Blue (42%)



- Red (40%)
- Yellow (44%)
- Blue (45%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (55%)



- Cyan (60%)
- Magenta (55%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.1856, 0.3080, 0.3480 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 16.1856, 0.3080, 0.3480 by changing the saturation by 10% instead.

■ 16.1856, 0.3080,
0.3480

■ 16.1856, 0.3080,
0.3480

■ 230.4344, 0.3108,
0.3367

■ 9.6556, 0.3071,
0.3517

■ 36.9201, 0.3092,
0.3433

■ 5.1712, 0.3056,
0.3571

■ 51.8934, 0.3096,
0.3418

■ 2.3481, 0.3033,
0.3660

■ 70.4499, 0.3099,
0.3405

■ 0.7990, 0.2971,
0.3935

■ 92.9740, 0.3101,
0.3395

■ 0.0000, 0.0000,
0.0000

■ 119.8501, 0.3104,
0.3386

■ 151.4626, 0.3105,

0.3379

188.1959, 0.3107,
0.3373

■ 16.1856, 0.3080,
0.3480

■ 16.1856, 0.3080,
0.3480

■ 15.3814, 0.3035,
0.3685

■ 17.1028, 0.3125,
0.3297

■ 14.6839, 0.2991,
0.3912

■ 18.1352, 0.3170,
0.3136

■ 14.0892, 0.2952,
0.4159

■ 19.2872, 0.3212,
0.2994

■ 13.5923, 0.2918,
0.4422

■ 20.5625, 0.3253,
0.2870

■ 13.1877, 0.2892,
0.4694

■ 21.9648, 0.3291,
0.2762

■ 12.8697, 0.2877,
0.4965

■ 23.4973, 0.3327,
0.2668

■ 12.6316, 0.2876,
0.5222

■ 25.1635, 0.3361,
0.2585

■ 12.4658, 0.2887,
0.5453

■ 26.9663, 0.3392,
0.2514

■ 12.3487, 0.2901,
0.5644

■ 28.9089, 0.3421,
0.2451

Harmonies

Analogous

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



16.1856, 0.3226, 0.3540



16.1856, 0.3080, 0.3480



16.1856, 0.2949, 0.3365

Triad

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



16.1856, 0.3080, 0.3480



16.1856, 0.2910, 0.3054



16.1856, 0.3395, 0.3339

Complementary

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



16.1856, 0.3080, 0.3480



14.5167, 0.3178, 0.3107

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.



16.1856, 0.3306, 0.3214



16.1856, 0.3080, 0.3480



16.1856, 0.3025, 0.3052

Square

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



16.1856, 0.3080, 0.3480



16.1856, 0.2852, 0.3118



16.1856, 0.3170, 0.3111



16.1856, 0.3409, 0.3454

Rectangle

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



16.1856, 0.3080, 0.3480



16.1856, 0.2888, 0.3276



16.1856, 0.3170, 0.3111



16.1856, 0.3372, 0.3297

Sweetspot

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



16.1863, 0.3080, 0.3480



30.1701, 0.3113, 0.3344



16.6997, 0.3236, 0.3535



7.1689, 0.3110, 0.3356



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



16.1863, 0.3080, 0.3480



28.5436, 0.3067, 0.3537



16.3115, 0.3012, 0.3356



4.1117, 0.3086, 0.3454



14.1132, 0.2904, 0.5655



68.6571, 0.2927, 0.5738

Inverse Universe

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



14.5167, 0.3178, 0.3107



24.7930, 0.3194, 0.3055



14.3911, 0.3257, 0.3225



3.7431, 0.3171, 0.3132



4.9399, 0.3926, 0.1936



23.9312, 0.3973, 0.1962

Previews

White Background



This preview shows how the Yxy color 16.1856, 0.3080, 0.3480 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 16.1856, 0.3080, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

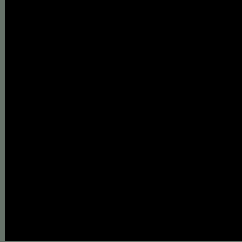
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

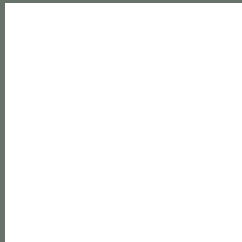
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.1856, 0.3080, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 16.1856, 0.3080, 0.3480.



This preview shows how white text looks on a background with the Yxy color 16.1856, 0.3080, 0.3480.

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

16.1856, 0.3080, 0.3480

Protanopia

16.0814, 0.3284, 0.3432

Deuteranopia

16.0717, 0.3363, 0.3310



Tritanopia

16.2796, 0.2932, 0.3108

Trichromacy



Original Color

16.1856, 0.3080, 0.3480

Protanomaly

15.9878, 0.3201, 0.3434

Deuteranomaly

16.1434, 0.3245, 0.3371

Tritanomaly

16.2988, 0.2989, 0.3249

Monochromacy



Original Color

16.1856, 0.3080, 0.3480

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.8183, 0.3098, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1856, 0.3080, 0.3480 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(103, 115, 106)` looks like.

```
.text, #text, p{  
    color:rgb(103, 115, 106)  
}
```

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(103, 115, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 115, 106) }
```

Border

The CSS property to change the border of an element to Yxy 16.1856, 0.3080, 0.3480 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(103, 115, 106) }
```

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

```
.border{ border-color:rgb(103, 115, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 115, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 115, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 115, 106);  
box-shadow:4px 4px 4px 4px rgb(103, 115,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1856, 0.3080, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 115, 106) }
```

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

```
.background{ background-color: rgb(103,  
115, 106) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor