

Converting Colors

$Y_{xy}(16.0029, 0.2400, 0.2037)$

Have a look what the booklet for
Yxy(16.0029, 0.2400, 0.2037)
contains.

Yxy(16.0006, 0.2400, 0.2037)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.0006, 0.2400, 0.2037)

Conversions

Conversions Part 1

Format	Color
Hex	6B67B1
RGB	107, 103, 177
RGB Percent	42%, 40%, 69%
CMY	0.5803, 0.5961, 0.3058
CMYK	0.40, 0.42, 0.00, 0.31
HSL	243°, 32%, 55%
HSV	243°, 42%, 69%
XYZ	18.8520, 16.0006, 43.6973
YIQ	112.6320, -21.3700, 23.8620

Conversions

Conversions Part 2

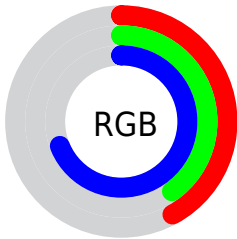
Format	Color
R_{YB}	107, 103, 177
Decimal	7038897
CIE _{Lab}	46.98, 20.15, -38.95
CIE _{LCh}	47, 43.848, 297.353
Yxy	16.0006, 0.2400, 0.2037
Android (android.graphics.Color)	4285228977 (0xFF6B67B1)
YUV	112.6320, 31.7334, -4.9393
Hunter-Lab	40.0007, 14.1240, -36.7685

Details

The Yxy color **16.0006, 0.2400, 0.2037** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **41.3125, 0.3701, 0.4319**, and the grayscale version is **16.3092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5715, 0.2568, 0.2293**, and **5.0679, 0.2097, 0.1617** is the 20% darker color. If you saturate the color by 10%, you get **11.9058, 0.2194, 0.1690**, and if you desaturate by 10%, it is **21.0428, 0.2600, 0.2377**.

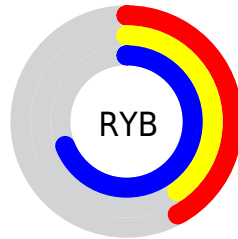
Distribution



Red (42%)

Green (40%)

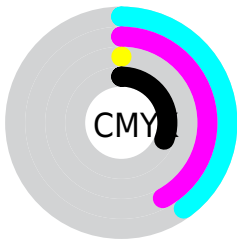
Blue (69%)



Red (42%)

Yellow (40%)

Blue (69%)

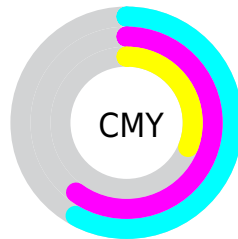


Cyan (40%)

Magenta (42%)

Yellow (0%)

Black (31%)



Cyan (58%)


Magenta (60%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0006, 0.2400, 0.2037 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 16.0006, 0.2400, 0.2037 by changing the saturation by 10% instead.


 16.0006, 0.2400,
0.2037


 16.0006, 0.2400,
0.2037


229.3453, 0.2822,
0.2713


 9.5246, 0.2275,
0.1857


 36.5992, 0.2568,
0.2292

 5.0849, 0.2103,
0.1623


 51.4907, 0.2627,
0.2386

 2.2972, 0.1856,
0.1312

 69.9560, 0.2675,
0.2463

 0.7722, 0.1487,
0.0892

 92.3796, 0.2714,
0.2529

 0.0000, 0.0524,
0.0000

119.1460, 0.2748,
0.2585

 0.0000, 0.0000,
0.0000

150.6395, 0.2776,

0.2633

187.2444, 0.2801,
0.2676

■ 16.0006, 0.2400,
0.2037

■ 16.0006, 0.2400,
0.2037

■ 11.9058, 0.2194,
0.1690

■ 21.0428, 0.2600,
0.2377

■ 8.6975, 0.1993,
0.1357

■ 27.0847, 0.2786,
0.2697

■ 6.3107, 0.1812,
0.1064

■ 34.1768, 0.2954,
0.2988

■ 4.6705, 0.1667,
0.0834

■ 42.3656, 0.3102,
0.3246

■ 3.6882, 0.1566,
0.0683

■ 51.6950, 0.3231,
0.3473

■ 3.2370, 0.1518,
0.0610

■ 62.2063, 0.3342,
0.3670

■ 73.9389, 0.3438,
0.3841

■ 86.9303, 0.3520,
0.3988

■ 95.9549, 0.3591,
0.4057

Harmonies

Analogous

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



16.0006, 0.1882, 0.2025



16.0006, 0.2400, 0.2037



16.0006, 0.3196, 0.2293

Triad

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



16.0006, 0.2400, 0.2037



16.0006, 0.4819, 0.3946



16.0006, 0.2165, 0.3862

Complementary

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



16.0006, 0.2400, 0.2037



41.3125, 0.3701, 0.4319

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.



16.0006, 0.2873, 0.4686



16.0006, 0.2400, 0.2037



16.0006, 0.4412, 0.4539

Square

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



16.0006, 0.2400, 0.2037



16.0006, 0.4722, 0.3323



16.0006, 0.3694, 0.4899



16.0006, 0.1751, 0.2931

Rectangle

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



16.0006, 0.2400, 0.2037



16.0006, 0.3802, 0.2578



16.0006, 0.3694, 0.4899



16.0006, 0.2374, 0.4179

Sweetspot

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



16.0012, 0.2400, 0.2037



59.2960, 0.2932, 0.2949



36.0658, 0.2555, 0.3230



12.2319, 0.2897, 0.2888



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



16.0012, 0.2400, 0.2037



21.9538, 0.2213, 0.1723



18.7771, 0.2787, 0.2159



8.2515, 0.2993, 0.3055



2.3536, 0.1521, 0.0611



0.0813, 0.1608, 0.0659

Inverse Universe

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



22.0650, 0.3221, 0.2328



34.2867, 0.3244, 0.2142



37.6890, 0.3351, 0.4451



8.6386, 0.3146, 0.3078



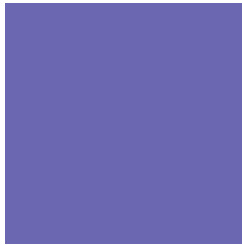
8.8068, 0.3348, 0.1618



0.2795, 0.3306, 0.1595

Previews

White Background



This preview shows how the Yxy color 16.0006, 0.2400, 0.2037 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 16.0006, 0.2400, 0.2037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

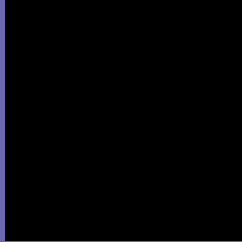
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0006, 0.2400, 0.2037

Background



This preview shows how black text looks on a background with the Yxy color 16.0006, 0.2400, 0.2037.

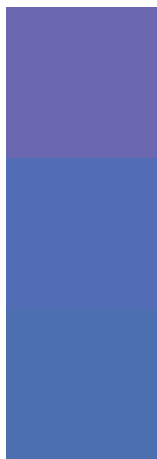


This preview shows how white text looks on a background with the Yxy color 16.0006, 0.2400, 0.2037.

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

16.0006, 0.2400, 0.2037

Protanopia

16.1085, 0.2175, 0.2015

Deuteranopia

16.0005, 0.2182, 0.2128



Tritanopia

16.0964, 0.2772, 0.3101

Trichromacy



Original Color

16.0006, 0.2400, 0.2037

Protanomaly

16.0348, 0.2249, 0.2025

Deuteranomaly

15.8860, 0.2246, 0.2083

Tritanomaly

16.0047, 0.2630, 0.2666

Monochromacy



Original Color

16.0006, 0.2400, 0.2037

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.0944, 0.2835, 0.2770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0006, 0.2400, 0.2037 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(107, 103, 177)` looks like.

```
.text, #text, p{  
    color:rgb(107, 103, 177)  
}
```

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(107, 103, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 103, 177) }
```

Border

The CSS property to change the border of an element to Yxy 16.0006, 0.2400, 0.2037 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(107, 103, 177) }
```

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

```
.border{ border-color:rgb(107, 103, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 103, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 103, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 103, 177);  
box-shadow:4px 4px 4px 4px rgb(107, 103,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0006, 0.2400, 0.2037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 103, 177) }
```

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

```
.background{ background-color: rgb(107,  
103, 177) }
```

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