

Converting Colors

$Y_{xy}(16.3574, 0.2441, 0.1824)$

Have a look what the booklet for
Yxy(16.3574, 0.2441, 0.1824)
contains.

Yxy(16.4124, 0.2444, 0.1831)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.4124, 0.2444, 0.1831)

Conversions

Conversions Part 1

Format	Color
Hex	7C60BF
RGB	124, 96, 191
RGB Percent	49%, 38%, 75%
CMY	0.5135, 0.6236, 0.2509
CMYK	0.35, 0.50, 0.00, 0.25
HSL	258°, 43%, 56%
HSV	258°, 50%, 75%
XYZ	21.9071, 16.4124, 51.3168
YIQ	115.2020, -13.8070, 35.4810

Conversions

Conversions Part 2

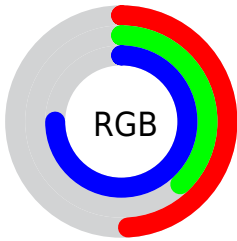
Format	Color
RYB	124, 96, 191
Decimal	8151231
CIELab	47.51, 32.81, -46.14
CIELCh	48, 56.616, 305.414
Yxy	16.4124, 0.2444, 0.1831
Android (android.graphics.Color)	4286341311 (0xFF7C60BF)
YUV	115.2020, 37.3684, 7.7158
Hunter-Lab	40.5122, 25.6280, -46.7440

Details

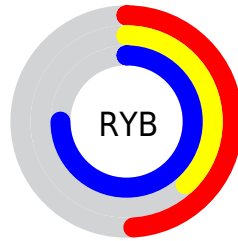
The Yxy color **16.4124, 0.2444, 0.1831** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **45.8958, 0.3592, 0.4600**, and the grayscale version is **17.0978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2285, 0.2600, 0.2106**, and **5.3049, 0.2159, 0.1407** is the 20% darker color. If you saturate the color by 10%, you get **12.4060, 0.2272, 0.1519**, and if you desaturate by 10%, it is **21.4035, 0.2610, 0.2153**.

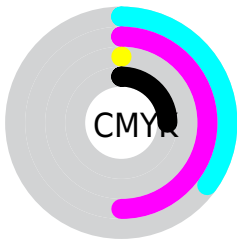
Distribution



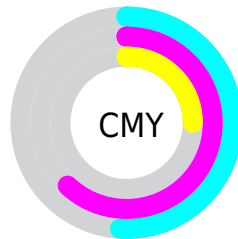
- Red (49%)
- Green (38%)
- Blue (75%)



- Red (49%)
- Yellow (38%)
- Blue (75%)



- Cyan (35%)
- Magenta (50%)
- Yellow (0%)
- Black (25%)




- Cyan (51%)
- Magenta (62%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4124, 0.2444, 0.1831 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 16.4124, 0.2444, 0.1831 by changing the saturation by 10% instead.


 16.4124, 0.2444,
0.1831


 16.4124, 0.2444,
0.1831


231.7631, 0.2845,
0.2589


 9.8164, 0.2325,
0.1641


 37.3127, 0.2604,
0.2109

 5.2774, 0.2163,
0.1403


 52.3858, 0.2660,
0.2213

 2.4109, 0.1932,
0.1100


 71.0534, 0.2706,
0.2301

 0.8315, 0.1592,
0.0721

 93.7000, 0.2743,
0.2376

 0.0000, 0.1058,
0.0000

120.7098, 0.2775,
0.2440

 0.0000, 0.0000,
0.0000

152.4673, 0.2802,

0.2496

189.3570, 0.2825,
0.2546

■ 16.4124, 0.2444,
0.1831

■ 16.4124, 0.2444,
0.1831

■ 12.4060, 0.2272,
0.1519

■ 21.4035, 0.2610,
0.2153

■ 9.3147, 0.2102,
0.1235

■ 27.4390, 0.2764,
0.2469

■ 7.0622, 0.1943,
0.0998


■ 34.5756, 0.2902,
0.2769

■ 5.5583, 0.1807,
0.0824


■ 42.8656, 0.3024,
0.3045


■ 4.6358, 0.1697,
0.0710

■ 52.3577, 0.3130,
0.3296

 4.6163, 0.1694,
0.0707

 63.0980, 0.3220,
0.3520

 75.1299, 0.3297,
0.3719

 88.4948, 0.3362,
0.3894

 94.7275, 0.3442,
0.3933

Harmonies

Analogous

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



16.4124, 0.1739, 0.1727



16.4124, 0.2444, 0.1831



16.4124, 0.3505, 0.2199

Triad

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



16.4124, 0.2444, 0.1831



16.4124, 0.5117, 0.4203



16.4124, 0.1742, 0.3660

Complementary

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



16.4124, 0.2444, 0.1831



45.8958, 0.3592, 0.4600

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.



16.4124, 0.2500, 0.4913



16.4124, 0.2444, 0.1831



16.4124, 0.4434, 0.4950

Square

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



16.4124, 0.2444, 0.1831



16.4124, 0.5247, 0.3459



16.4124, 0.3486, 0.5379



16.4124, 0.1388, 0.2540

Rectangle

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



16.4124, 0.2444, 0.1831



16.4124, 0.4279, 0.2566



16.4124, 0.3486, 0.5379



16.4124, 0.1953, 0.4107

Sweetspot

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



16.4130, 0.2444, 0.1831



68.3578, 0.2959, 0.2897



32.8320, 0.2403, 0.2866



14.3305, 0.2933, 0.2837



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



16.4130, 0.2444, 0.1831



21.4706, 0.2251, 0.1483



20.7175, 0.2947, 0.2018



9.3583, 0.3029, 0.3056



3.0697, 0.1707, 0.0714



0.1552, 0.1984, 0.0867

Inverse Universe

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



22.0824, 0.3526, 0.2412



33.0857, 0.3653, 0.2247



41.8679, 0.3201, 0.4782



9.6469, 0.3181, 0.3130



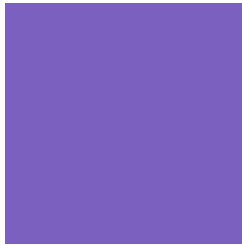
8.4354, 0.4116, 0.2041



0.3414, 0.3851, 0.1895

Previews

White Background



This preview shows how the Yxy color 16.4124, 0.2444, 0.1831 looks on a white background.

Color Contrast Check

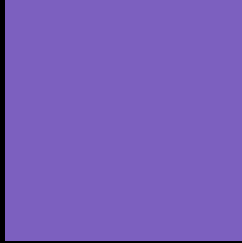
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4124, 0.2444, 0.1831 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 16.4124, 0.2444, 0.1831

Background



This preview shows how black text looks on a background with the Yxy color 16.4124, 0.2444, 0.1831.



This preview shows how white text looks on a background with the Yxy color 16.4124, 0.2444, 0.1831.

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

16.4124, 0.2444, 0.1831

Protanopia

16.6697, 0.1976, 0.1759

Deuteranopia

16.4881, 0.2052, 0.1992



Tritanopia

16.4666, 0.2970, 0.3110

Trichromacy



Original Color

16.4124, 0.2444, 0.1831

Protanomaly

16.2529, 0.2104, 0.1772

Deuteranomaly

16.1247, 0.2163, 0.1919

Tritanomaly

16.1994, 0.2751, 0.2552

Monochromacy



Original Color

16.4124, 0.2444, 0.1831

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.5598, 0.2842, 0.2645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4124, 0.2444, 0.1831 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(124, 96, 191)` looks like.

```
.text, #text, p{  
    color:rgb(124, 96, 191)  
}
```

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(124, 96, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 96, 191) }
```

Border

The CSS property to change the border of an element to Yxy 16.4124, 0.2444, 0.1831 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(124, 96, 191) }
```

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

```
.border{ border-color:rgb(124, 96, 191) }
```

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

Here you see how a box with a 4 pixel rgb(124, 96, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 96, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 96, 191);  
box-shadow:4px 4px 4px 4px rgb(124, 96,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4124, 0.2444, 0.1831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 96, 191) }
```

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

```
.background{ background-color: rgb(124, 96,  
191) }
```

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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