

Converting Colors

$Y_{xy}(16.2907, 0.2378, 0.1737)$

Have a look what the booklet for
Yxy(16.2907, 0.2378, 0.1737)
contains.

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Color

Yxy(16.2936, 0.2378, 0.1732)

Conversions

Conversions Part 1

Format	Color
Hex	7B5EC6
RGB	123, 94, 198
RGB Percent	48%, 37%, 78%
CMY	0.5175, 0.6315, 0.2234
CMYK	0.38, 0.53, 0.00, 0.22
HSL	257°, 48%, 57%
HSV	257°, 53%, 78%
XYZ	22.3708, 16.2936, 55.4095
YIQ	114.5270, -16.1000, 38.4920

Conversions

Conversions Part 2

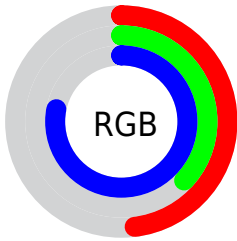
Format	Color
R_{YB}	123, 94, 198
Decimal	8085190
CIE _{Lab}	47.36, 35.62, -50.44
CIE _{LCh}	47, 61.747, 305.228
Yxy	16.2936, 0.2378, 0.1732
Android (android.graphics.Color)	4286275270 (0xFF7B5EC6)
YUV	114.5270, 41.1522, 7.4308
Hunter-Lab	40.3653, 28.2867, -53.1317

Details

The Yxy color **16.2936, 0.2378, 0.1732** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted purple. A complement of this color would be **49.6409, 0.3627, 0.4668**, and the grayscale version is **16.8721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0545, 0.2554, 0.2024**, and **5.2451, 0.2081, 0.1306** is the 20% darker color. If you saturate the color by 10%, you get **12.2362, 0.2202, 0.1423**, and if you desaturate by 10%, it is **21.4089, 0.2550, 0.2056**.

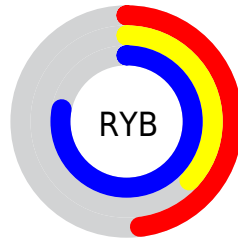
Distribution



Red (48%)

Green (37%)

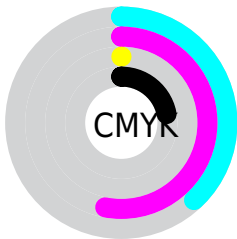
Blue (78%)



Red (48%)

Yellow (37%)

Blue (78%)

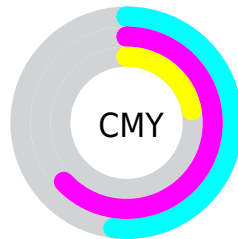


Cyan (38%)

Magenta (53%)

Yellow (0%)

Black (22%)



Cyan (52%)


Magenta (63%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2936, 0.2378, 0.1732 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 16.2936, 0.2378, 0.1732 by changing the saturation by 10% instead.

 16.2936, 0.2378,
0.1732


 16.2936, 0.2378,
0.1732


231.0680, 0.2816,
0.2531


 9.7322, 0.2251,
0.1537


 37.1072, 0.2551,
0.2022


 5.2217, 0.2078,
0.1296


 52.1281, 0.2612,
0.2131

 2.3779, 0.1838,
0.0995

 70.7376, 0.2662,
0.2224

 0.8145, 0.1493,
0.0631

 93.3201, 0.2704,
0.2303

 0.0000, 0.0988,
0.0000

120.2600, 0.2738,
0.2372

 0.0000, 0.0000,
0.0000

151.9417, 0.2768,

0.2432

188.7496, 0.2794,
0.2484

■ 16.2936, 0.2378,
0.1732

■ 16.2936, 0.2378,
0.1732

■ 12.2362, 0.2202,
0.1423

■ 21.4089, 0.2550,
0.2056

■ 9.1578, 0.2032,
0.1149

■ 27.6496, 0.2711,
0.2377

■ 6.9708, 0.1878,
0.0928

■ 35.0797, 0.2858,
0.2685

■ 5.5703, 0.1750,
0.0773

■ 43.7576, 0.2988,
0.2970

■ 4.8996, 0.1673,
0.0695

■ 53.7380, 0.3101,
0.3228

■ 65.0723, 0.3198,
0.3460

■ 77.8090, 0.3281,
0.3666

■ 91.9942, 0.3351,
0.3847

■ 96.1985, 0.3442,
0.3854

Harmonies

Analogous

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



16.2936, 0.1638, 0.1621



16.2936, 0.2378, 0.1732



16.2936, 0.3523, 0.2117

Triad

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



16.2936, 0.2378, 0.1732



16.2936, 0.5256, 0.4215



16.2936, 0.1633, 0.3693

Complementary

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



16.2936, 0.2378, 0.1732



49.6409, 0.3627, 0.4668

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.



16.2936, 0.2433, 0.5099



16.2936, 0.2378, 0.1732



16.2936, 0.4501, 0.5041

Square

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



16.2936, 0.2378, 0.1732



16.2936, 0.5424, 0.3432



16.2936, 0.3482, 0.5572



16.2936, 0.1271, 0.2467

Rectangle

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



16.2936, 0.2378, 0.1732



16.2936, 0.4373, 0.2501



16.2936, 0.3482, 0.5572



16.2936, 0.1853, 0.4194

Sweetspot

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



16.2942, 0.2378, 0.1732



71.5179, 0.2942, 0.2867



35.3127, 0.2372, 0.2865



14.6183, 0.2915, 0.2808



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



16.2942, 0.2378, 0.1732



20.7957, 0.2178, 0.1382



21.0503, 0.2912, 0.1940



10.4285, 0.3025, 0.3054



3.2227, 0.1685, 0.0702



0.1899, 0.1918, 0.0830

Inverse Universe

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



22.8748, 0.3536, 0.2347



33.9874, 0.3660, 0.2185



45.0790, 0.3213, 0.4872



10.7641, 0.3179, 0.3125



9.1066, 0.4059, 0.2010



0.4431, 0.3843, 0.1891

Previews

White Background



This preview shows how the Yxy color 16.2936, 0.2378, 0.1732 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 16.2936, 0.2378, 0.1732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

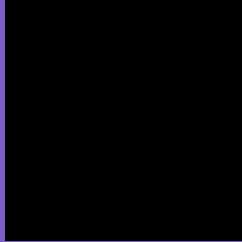
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2936, 0.2378, 0.1732

Background



This preview shows how black text looks on a background with the Yxy color 16.2936, 0.2378, 0.1732.



This preview shows how white text looks on a background with the Yxy color 16.2936, 0.2378, 0.1732.

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

16.2936, 0.2378, 0.1732

Protanopia

16.5536, 0.1891, 0.1643

Deuteranopia

16.5826, 0.1958, 0.1907



Tritanopia

16.2796, 0.2932, 0.3108

Trichromacy



Original Color

16.2936, 0.2378, 0.1732

Protanomaly

16.1602, 0.2013, 0.1656

Deuteranomaly

15.9920, 0.2059, 0.1821

Tritanomaly

15.9548, 0.2696, 0.2481

Monochromacy



Original Color

16.2936, 0.2378, 0.1732

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.4113, 0.2820, 0.2594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2936, 0.2378, 0.1732 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(123, 94, 198)` looks like.

```
.text, #text, p{  
  color:rgb(123, 94, 198)  
}
```

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(123, 94, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 94, 198) }
```

Border

The CSS property to change the border of an element to Yxy 16.2936, 0.2378, 0.1732 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(123, 94, 198) }
```

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

```
.border{ border-color:rgb(123, 94, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 94, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 94, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 94, 198);  
box-shadow:4px 4px 4px 4px rgb(123, 94,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2936, 0.2378, 0.1732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 94, 198) }
```

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

```
.background{ background-color: rgb(123, 94,  
198) }
```

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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