

Converting Colors

$Y_{xy}(15.2352, 0.2537, 0.2068)$

Have a look what the booklet for
Yxy(15.2352, 0.2537, 0.2068)
contains.

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Color

Yxy(15.3506, 0.2538, 0.2069)

Conversions

Conversions Part 1

Format	Color
Hex	7462AA
RGB	116, 98, 170
RGB Percent	45%, 38%, 67%
CMY	0.5450, 0.6157, 0.3332
CMYK	0.32, 0.42, 0.00, 0.33
HSL	255°, 30%, 53%
HSV	255°, 42%, 67%
XYZ	18.8303, 15.3506, 40.0125
YIQ	111.5900, -12.3840, 26.2080

Conversions

Conversions Part 2

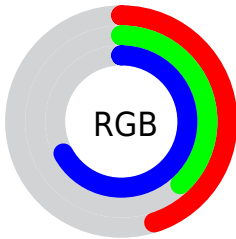
Format	Color
R_{YB}	116, 98, 170
Decimal	7627434
CIE _{Lab}	46.11, 23.76, -36.17
CIE _{LCh}	46, 43.275, 303.305
Yxy	15.3506, 0.2538, 0.2069
Android (android.graphics.Color)	4285817514 (0xFF7462AA)
YUV	111.5900, 28.7961, 3.8676
Hunter-Lab	39.1798, 17.2244, -33.1241

Details

The Yxy color **15.3506, 0.2538, 0.2069** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.3138, 0.3564, 0.4383**, and the grayscale version is **15.9951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5319, 0.2679, 0.2319**, and **4.7758, 0.2286, 0.1661** is the 20% darker color. If you saturate the color by 10%, you get **11.6863, 0.2363, 0.1745**, and if you desaturate by 10%, it is **19.8117, 0.2703, 0.2390**.

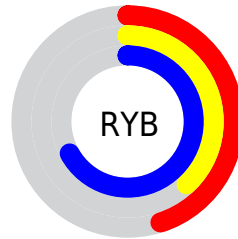
Distribution



Red (45%)

Green (38%)

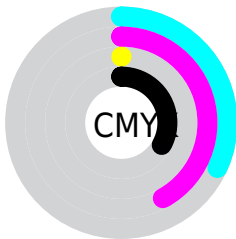
Blue (67%)



Red (45%)

Yellow (38%)

Blue (67%)

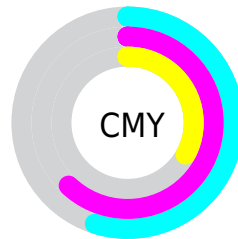


Cyan (32%)

Magenta (42%)

Yellow (0%)

Black (33%)



Cyan (55%)


Magenta (62%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3506, 0.2538, 0.2069 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 15.3506, 0.2538, 0.2069 by changing the saturation by 10% instead.


 15.3506, 0.2538,
0.2069

 15.3506, 0.2538,
0.2069


225.4786, 0.2888,
0.2731


 9.0658, 0.2430,
0.1891


 35.4671, 0.2680,
0.2320


 4.7841, 0.2278,
0.1657


 50.0675, 0.2729,
0.2412

 2.1212, 0.2052,
0.1342

 68.2087, 0.2768,
0.2488

 0.6765, 0.1702,
0.0897

 90.2749, 0.2801,
0.2552

 0.0000, 0.0633,
0.0000

116.6507, 0.2828,
0.2606

 0.0000, 0.0000,
0.0000

147.7203, 0.2851,

0.2653

183.8681, 0.2871,
0.2695

■ 15.3506, 0.2538,
0.2069

■ 15.3506, 0.2538,
0.2069

■ 11.6863, 0.2363,
0.1745

■ 19.8117, 0.2703,
0.2390

■ 8.7689, 0.2184,
0.1434

■ 25.1118, 0.2853,
0.2695

■ 6.5458, 0.2012,
0.1155

■ 31.2921, 0.2986,
0.2977

■ 4.9562, 0.1857,
0.0929

■ 38.3906, 0.3102,
0.3233

■ 3.9287, 0.1729,
0.0769

■ 46.4432, 0.3202,
0.3462

■ 3.4078, 0.1650,
0.0683

■ 55.4836, 0.3288,
0.3665

■ 65.5440, 0.3361,
0.3844

■ 76.6552, 0.3423,
0.4000

■ 88.8465, 0.3475,
0.4138

Harmonies

Analogous

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



15.3506, 0.1960, 0.2005



15.3506, 0.2538, 0.2069



15.3506, 0.3375, 0.2369

Triad

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



15.3506, 0.2538, 0.2069



15.3506, 0.4774, 0.4070



15.3506, 0.2055, 0.3667

Complementary

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



15.3506, 0.2538, 0.2069



36.3138, 0.3564, 0.4383

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.



15.3506, 0.2715, 0.4561



15.3506, 0.2538, 0.2069



15.3506, 0.4288, 0.4640

Square

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



15.3506, 0.2538, 0.2069



15.3506, 0.4788, 0.3445



15.3506, 0.3533, 0.4913



15.3506, 0.1708, 0.2777

Rectangle

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



15.3506, 0.2538, 0.2069



15.3506, 0.3977, 0.2677



15.3506, 0.3533, 0.4913



15.3506, 0.2245, 0.3993

Sweetspot

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



15.3512, 0.2538, 0.2069



55.7215, 0.2975, 0.2954



27.9605, 0.2511, 0.2985



11.8622, 0.2947, 0.2895



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



15.3512, 0.2538, 0.2069



21.4627, 0.2371, 0.1759



18.3130, 0.2955, 0.2202



7.3879, 0.3023, 0.3059



2.5291, 0.1659, 0.0688



0.0849, 0.2007, 0.0879

Inverse Universe

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



19.5481, 0.3402, 0.2499



30.2538, 0.3486, 0.2333



33.3529, 0.3220, 0.4515



7.6340, 0.3174, 0.3122



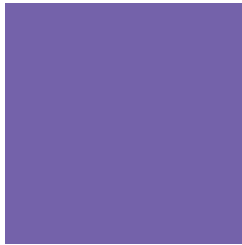
7.4311, 0.3949, 0.1949



0.1883, 0.3659, 0.1789

Previews

White Background



This preview shows how the Yxy color 15.3506, 0.2538, 0.2069 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 15.3506, 0.2538, 0.2069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

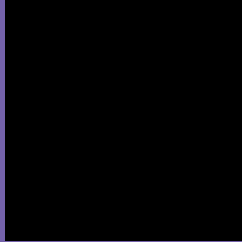
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3506, 0.2538, 0.2069

Background



This preview shows how black text looks on a background with the Yxy color 15.3506, 0.2538, 0.2069.

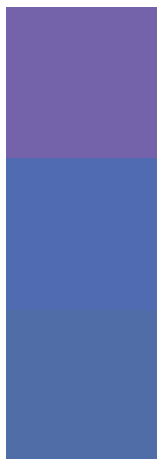


This preview shows how white text looks on a background with the Yxy color 15.3506, 0.2538, 0.2069.

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

15.3506, 0.2538, 0.2069

Protanopia

15.4791, 0.2184, 0.2026

Deuteranopia

15.4699, 0.2247, 0.2194



Tritanopia

15.2485, 0.2965, 0.3104

Trichromacy



Original Color

15.3506, 0.2538, 0.2069

Protanomaly

15.3755, 0.2298, 0.2042

Deuteranomaly

15.2949, 0.2335, 0.2135

Tritanomaly

15.1605, 0.2795, 0.2670

Monochromacy



Original Color

15.3506, 0.2538, 0.2069

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.7196, 0.2891, 0.2788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3506, 0.2538, 0.2069 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(116, 98, 170)` looks like.

```
.text, #text, p{  
    color:rgb(116, 98, 170)  
}
```

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(116, 98, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 98, 170) }
```

Border

The CSS property to change the border of an element to Yxy 15.3506, 0.2538, 0.2069 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(116, 98, 170) }
```

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

```
.border{ border-color:rgb(116, 98, 170) }
```

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

Here you see how a box with a 4 pixel rgb(116, 98, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 98, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 98, 170);  
box-shadow:4px 4px 4px 4px rgb(116, 98,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3506, 0.2538, 0.2069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 98, 170) }
```

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

```
.background{ background-color: rgb(116, 98,  
170) }
```

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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