

Converting Colors

$Y_{xy}(18.3590, 0.2543, 0.2272)$

Have a look what the booklet for
Yxy(18.3590, 0.2543, 0.2272)
contains.

Yxy(18.3185, 0.2541, 0.2266)	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(18.3185, 0.2541, 0.2266)

Conversions

Conversions Part 1

Format	Color
Hex	7470AD
RGB	116, 112, 173
RGB Percent	45%, 44%, 68%
CMY	0.5450, 0.5608, 0.3216
CMYK	0.33, 0.35, 0.00, 0.32
HSL	244°, 27%, 56%
HSV	244°, 35%, 68%
XYZ	20.5416, 18.3185, 41.9806
YIQ	120.1500, -17.1970, 19.8190

Conversions

Conversions Part 2

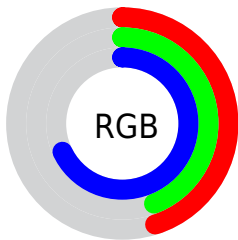
Format	Color
R _Y B	116, 112, 173
Decimal	7631021
CIE _{Lab}	49.88, 16.09, -31.98
CIE _{LCh}	50, 35.799, 296.708
Yxy	18.3185, 0.2541, 0.2266
Android (android.graphics.Color)	4285821101 (0xFF7470AD)
YUV	120.1500, 26.0550, -3.6396
Hunter-Lab	42.8001, 10.7696, -28.1946

Details

The Yxy color **18.3185, 0.2541, 0.2266** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.4800, 0.3608, 0.4163**, and the grayscale version is **18.7539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7541, 0.2676, 0.2479**, and **6.1467, 0.2305, 0.1914** is the 20% darker color. If you saturate the color by 10%, you get **13.8490, 0.2340, 0.1923**, and if you desaturate by 10%, it is **23.7152, 0.2730, 0.2592**.

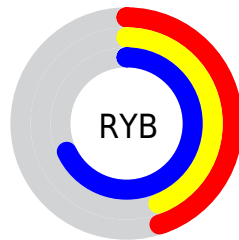
Distribution



Red (45%)

Green (44%)

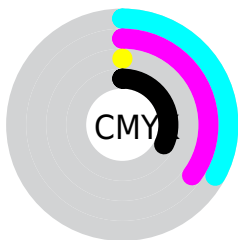
Blue (68%)



Red (45%)

Yellow (44%)

Blue (68%)

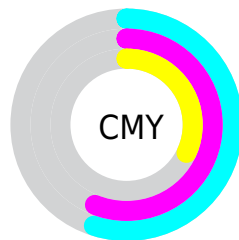


Cyan (33%)

Magenta (35%)

Yellow (0%)

Black (32%)



Cyan (55%)

Magenta (56%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3185, 0.2541, 0.2266 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 18.3185, 0.2541, 0.2266 by changing the saturation by 10% instead.

■ 18.3185, 0.2541,
0.2266

■ 18.3185, 0.2541,
0.2266

■ 242.6602, 0.2878,
0.2820

■ 11.1789, 0.2441,
0.2116

■ 40.5793, 0.2675,
0.2477

■ 6.1873, 0.2304,
0.1917

■ 56.4693, 0.2721,
0.2553

■ 2.9593, 0.2104,
0.1645

■ 76.0448, 0.2759,
0.2617

■ 1.1105, 0.1795,
0.1261

■ 99.6904, 0.2791,
0.2670

■ 0.0000, 0.1178,
0.0000

■ 127.7903, 0.2818,
0.2716

■ 0.0000, 0.0000,
0.0000

160.7290, 0.2841,

0.2755

198.8908, 0.2860,
0.2790

■ 18.3185, 0.2541,
0.2266

■ 18.3185, 0.2541,
0.2266

■ 13.8490, 0.2340,
0.1923

■ 23.7152, 0.2730,
0.2592

■ 10.2526, 0.2135,
0.1580

■ 30.0849, 0.2902,
0.2892

■ 7.4725, 0.1940,
0.1259

■ 37.4732, 0.3055,
0.3161

■ 5.4448, 0.1770,
0.0985

■ 45.9220, 0.3188,
0.3399

■ 4.0956, 0.1637,
0.0779

■ 55.4708, 0.3303,
0.3606

■ 3.3343, 0.1550,
0.0654

■ 66.1572, 0.3402,
0.3785

■ 3.0909, 0.1522,
0.0612

■ 78.0169, 0.3487,
0.3940

■ 91.0841, 0.3560,
0.4074

■ 95.7966, 0.3614,
0.4096

Harmonies

Analogous

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



18.3185, 0.2112, 0.2271



18.3185, 0.2541, 0.2266



18.3185, 0.3177, 0.2475

Triad

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



18.3185, 0.2541, 0.2266



18.3185, 0.4474, 0.3851



18.3185, 0.2382, 0.3751

Complementary

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



18.3185, 0.2541, 0.2266



39.4800, 0.3608, 0.4163

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.



18.3185, 0.2964, 0.4355



18.3185, 0.2541, 0.2266



18.3185, 0.4183, 0.4307

Square

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



18.3185, 0.2541, 0.2266



18.3185, 0.4367, 0.3336



18.3185, 0.3624, 0.4542



18.3185, 0.2022, 0.3045

Rectangle

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



18.3185, 0.2541, 0.2266



18.3185, 0.3647, 0.2711



18.3185, 0.3624, 0.4542



18.3185, 0.2556, 0.3983

Sweetspot

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



18.3192, 0.2541, 0.2266



59.0470, 0.2967, 0.3006



35.1863, 0.2633, 0.3240



12.4667, 0.2946, 0.2970



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.



18.3192, 0.2541, 0.2266



26.6769, 0.2391, 0.2010



20.6726, 0.2854, 0.2350



7.7816, 0.2995, 0.3056



2.2809, 0.1526, 0.0614



0.0715, 0.1638, 0.0676

Inverse Universe

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



23.3322, 0.3213, 0.2484



36.9871, 0.3234, 0.2321



36.5782, 0.3322, 0.4251



8.1388, 0.3147, 0.3081



8.4344, 0.3380, 0.1636



0.2373, 0.3323, 0.1604

Previews

White Background



This preview shows how the Yxy color 18.3185, 0.2541, 0.2266 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 18.3185, 0.2541, 0.2266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

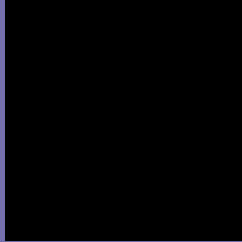
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3185, 0.2541, 0.2266

Background



This preview shows how black text looks on a background with the Yxy color 18.3185, 0.2541, 0.2266.

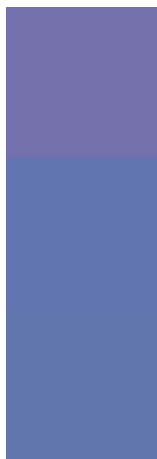


This preview shows how white text looks on a background with the Yxy color 18.3185, 0.2541, 0.2266.

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

18.3185, 0.2541, 0.2266

Protanopia

18.4936, 0.2359, 0.2256

Deuteranopia

18.4768, 0.2389, 0.2341



Tritanopia

18.4122, 0.2864, 0.3114

Trichromacy



Original Color

18.3185, 0.2541, 0.2266

Protanomaly

18.3993, 0.2420, 0.2250

Deuteranomaly

18.4124, 0.2444, 0.2320

Tritanomaly

18.3472, 0.2733, 0.2770

Monochromacy



Original Color

18.3185, 0.2541, 0.2266

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.5086, 0.2904, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3185, 0.2541, 0.2266 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, 112, 173)` looks like.

```
.text, #text, p{  
    color:rgb(116, 112, 173)  
}
```

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, 112, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 112, 173) }
```

Border

The CSS property to change the border of an element to Yxy 18.3185, 0.2541, 0.2266 is called "border". The border property can be set on classes, ids or directly on the HTML element.

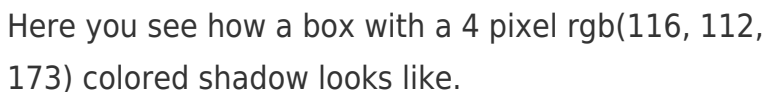
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 112, 173) }
```

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

```
.border{ border-color:rgb(116, 112, 173) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 112, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 112, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 112, 173); box-shadow:4px 4px 4px 4px rgb(116, 112, 173) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3185, 0.2541, 0.2266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 112, 173) }
```

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

```
.background{ background-color: rgb(116,  
112, 173) }
```

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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