

Converting Colors

$Y_{xy}(19.8949, 0.2433, 0.2093)$

Have a look what the booklet for
Yxy(19.8949, 0.2433, 0.2093)
contains.

Yxy(19.9450, 0.2436, 0.2099)	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(19.9450, 0.2436, 0.2099)

Conversions

Conversions Part 1

Format	Color
Hex	7773BF
RGB	119, 115, 191
RGB Percent	47%, 45%, 75%
CMY	0.5332, 0.5491, 0.2509
CMYK	0.38, 0.40, 0.00, 0.25
HSL	243°, 37%, 60%
HSV	243°, 40%, 75%
XYZ	23.1472, 19.9450, 51.9292
YIQ	124.8600, -22.0120, 24.4840

Conversions

Conversions Part 2

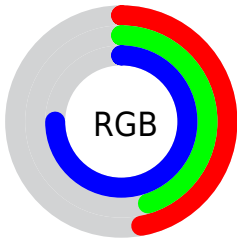
Format	Color
R _Y B	119, 115, 191
Decimal	7828415
CIE Lab	51.77, 20.11, -39.41
CIE LCh	52, 44.240, 297.034
Yxy	19.9450, 0.2436, 0.2099
Android (android.graphics.Color)	4286018495 (0xFF7773BF)
YUV	124.8600, 32.6070, -5.1392
Hunter-Lab	44.6598, 14.3620, -37.6789

Details

The Yxy color **19.9450, 0.2436, 0.2099** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **49.0673, 0.3679, 0.4276**, and the grayscale version is **20.3546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4134, 0.2588, 0.2331**, and **6.9787, 0.2176, 0.1732** is the 20% darker color. If you saturate the color by 10%, you get **14.8714, 0.2229, 0.1750**, and if you desaturate by 10%, it is **26.1661, 0.2635, 0.2438**.

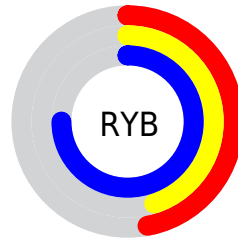
Distribution



Red (47%)

Green (45%)

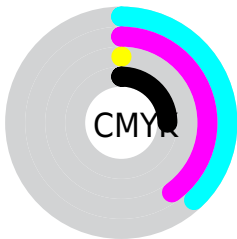
Blue (75%)



Red (47%)

Yellow (45%)

Blue (75%)

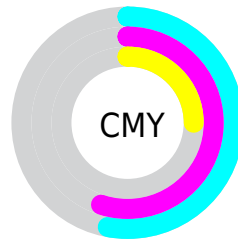


Cyan (38%)

Magenta (40%)

Yellow (0%)

Black (25%)



Cyan (53%)

Magenta (55%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9450, 0.2436, 0.2099 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 19.9450, 0.2436, 0.2099 by changing the saturation by 10% instead.

■ 19.9450, 0.2436,
0.2099

■ 19.9450, 0.2436,
0.2099

251.6172, 0.2826,
0.2724

■ 12.3551, 0.2325,
0.1938

■ 43.3250, 0.2588,
0.2331

■ 6.9860, 0.2176,
0.1732

■ 59.8838, 0.2642,
0.2417

■ 3.4533, 0.1968,
0.1460

■ 80.2010, 0.2686,
0.2489

■ 1.3727, 0.1662,
0.1098

■ 104.6610, 0.2723,
0.2550

■ 0.1965, 0.1220,
0.0354

133.6483, 0.2755,
0.2603

■ 0.0000, 0.0000,
0.0000

167.5471, 0.2782,

0.2648

206.7420, 0.2805,
0.2688

■ 19.9450, 0.2436,
0.2099

■ 19.9450, 0.2436,
0.2099

■ 14.8714, 0.2229,
0.1750

■ 26.1661, 0.2635,
0.2438

■ 10.8730, 0.2025,
0.1411

■ 33.5967, 0.2820,
0.2755

■ 7.8730, 0.1839,
0.1108

■ 42.2967, 0.2985,
0.3041

■ 5.7832, 0.1686,
0.0865

■ 52.3218, 0.3130,
0.3295

■ 4.5001, 0.1578,
0.0700

■ 63.7239, 0.3256,
0.3516

■ 3.8385, 0.1517,
0.0610

■ 76.5525, 0.3364,
0.3709

■ 3.8279, 0.1516,
0.0609

■ 90.8546, 0.3457,
0.3875

■ 96.5423, 0.3508,
0.3919

Harmonies

Analogous

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



19.9450, 0.1943, 0.2093



19.9450, 0.2436, 0.2099



19.9450, 0.3186, 0.2342

Triad

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



19.9450, 0.2436, 0.2099



19.9450, 0.4724, 0.3920



19.9450, 0.2229, 0.3835

Complementary

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



19.9450, 0.2436, 0.2099



49.0673, 0.3679, 0.4276

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.



19.9450, 0.2904, 0.4593



19.9450, 0.2436, 0.2099



19.9450, 0.4354, 0.4474

Square

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



19.9450, 0.2436, 0.2099



19.9450, 0.4620, 0.3325



19.9450, 0.3682, 0.4798



19.9450, 0.1827, 0.2969

Rectangle

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



19.9450, 0.2436, 0.2099



19.9450, 0.3753, 0.2613



19.9450, 0.3682, 0.4798



19.9450, 0.2430, 0.4127

Sweetspot

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



19.9457, 0.2436, 0.2099



71.8064, 0.2947, 0.2976



43.0384, 0.2576, 0.3233



15.3029, 0.2926, 0.2939



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.



19.9457, 0.2436, 0.2099



27.4843, 0.2250, 0.1786



23.1697, 0.2806, 0.2211



9.2490, 0.2992, 0.3053



2.5264, 0.1520, 0.0611



0.1073, 0.1595, 0.0652

Inverse Universe

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



26.9240, 0.3216, 0.2366



41.7916, 0.3238, 0.2177



44.9149, 0.3344, 0.4397



9.6873, 0.3146, 0.3076



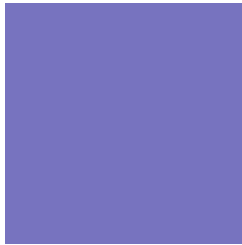
9.4711, 0.3345, 0.1617



0.3737, 0.3310, 0.1597

Previews

White Background



This preview shows how the Yxy color 19.9450, 0.2436, 0.2099 looks on a white background.

Color Contrast Check

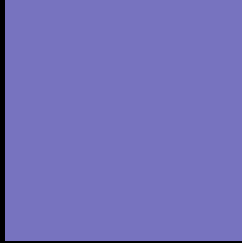
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.9450, 0.2436, 0.2099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

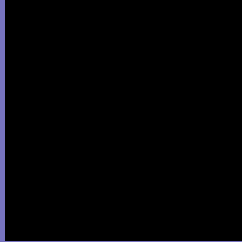
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9450, 0.2436, 0.2099

Background



This preview shows how black text looks on a background with the Yxy color 19.9450, 0.2436, 0.2099.

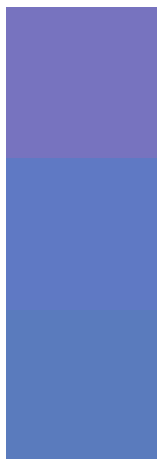


This preview shows how white text looks on a background with the Yxy color 19.9450, 0.2436, 0.2099.

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

19.9450, 0.2436, 0.2099

Protanopia

20.0932, 0.2228, 0.2080

Deuteranopia

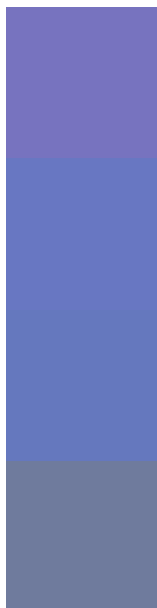
20.0137, 0.2241, 0.2189



Tritanopia

20.0491, 0.2790, 0.3100

Trichromacy



Original Color

19.9450, 0.2436, 0.2099

Protanomaly

20.0317, 0.2301, 0.2091

Deuteranomaly

19.9173, 0.2305, 0.2148

Tritanomaly

19.9797, 0.2650, 0.2685

Monochromacy



Original Color

19.9450, 0.2436, 0.2099

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.0556, 0.2849, 0.2797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9450, 0.2436, 0.2099 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(119, 115, 191)` looks like.

```
.text, #text, p{  
    color:rgb(119, 115, 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(119, 115, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 115, 191) }
```

Border

The CSS property to change the border of an element to Yxy 19.9450, 0.2436, 0.2099 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(119, 115, 191) }
```

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

```
.border{ border-color:rgb(119, 115, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 115, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 115, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 115, 191);  
box-shadow:4px 4px 4px 4px rgb(119, 115,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9450, 0.2436, 0.2099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 115, 191) }
```

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

```
.background{ background-color: rgb(119,  
115, 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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