

Converting Colors

$Y_{xy}(19.5748, 0.2675, 0.2444)$

Have a look what the booklet for
Yxy(19.5748, 0.2675, 0.2444)
contains.

Yxy(19.4918, 0.2671, 0.2434)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.4918, 0.2671, 0.2434)

Conversions

Conversions Part 1

Format	Color
Hex	7B74A7
RGB	123, 116, 167
RGB Percent	48%, 45%, 65%
CMY	0.5176, 0.5451, 0.3450
CMYK	0.26, 0.31, 0.00, 0.35
HSL	248°, 22%, 55%
HSV	248°, 31%, 65%
XYZ	21.3897, 19.4918, 39.1998
YIQ	123.9070, -12.1990, 17.3450

Conversions

Conversions Part 2

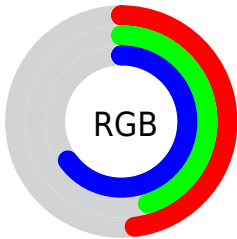
Format	Color
R_{YB}	123, 116, 167
Decimal	8090791
CIE _{Lab}	51.26, 14.23, -26.32
CIE _{LCh}	51, 29.916, 298.394
Yxy	19.4918, 0.2671, 0.2434
Android (android.graphics.Color)	4286280871 (0xFF7B74A7)
YUV	123.9070, 21.2448, -0.7954
Hunter-Lab	44.1495, 9.2187, -21.7382

Details

The Yxy color **19.4918, 0.2671, 0.2434** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.3777, 0.3507, 0.4054**, and the grayscale version is **20.0550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5093, 0.2774, 0.2615**, and **6.7885, 0.2486, 0.2134** is the 20% darker color. If you saturate the color by 10%, you get **14.9965, 0.2488, 0.2105**, and if you desaturate by 10%, it is **24.8373, 0.2839, 0.2743**.

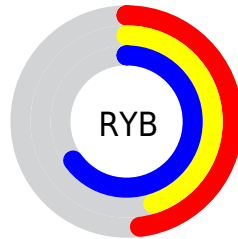
Distribution



Red (48%)

Green (45%)

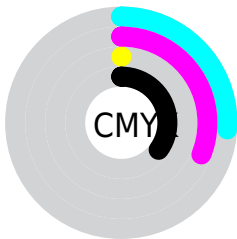
Blue (65%)



Red (48%)

Yellow (45%)

Blue (65%)

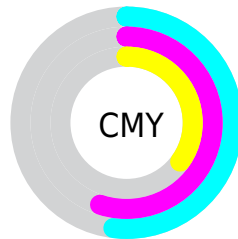


Cyan (26%)

Magenta (31%)

Yellow (0%)

Black (35%)



Cyan (52%)

Magenta (55%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4918, 0.2671, 0.2434 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 19.4918, 0.2671, 0.2434 by changing the saturation by 10% instead.

■ 19.4918, 0.2671,
0.2434

■ 19.4918, 0.2671,
0.2434

■ 249.1505, 0.2933,
0.2899

■ 12.0262, 0.2593,
0.2306

■ 42.5635, 0.2775,
0.2612

■ 6.7615, 0.2484,
0.2134

■ 58.9383, 0.2811,
0.2676

■ 3.3134, 0.2324,
0.1895

■ 79.0517, 0.2841,
0.2729

■ 1.2975, 0.2069,
0.1545

■ 103.2880, 0.2866,
0.2774

■ 0.1392, 0.1589,
0.0461

■ 132.0317, 0.2886,
0.2812

■ 0.0000, 0.0000,
0.0000

165.6670, 0.2904,

0.2845

204.5785, 0.2919,
0.2874

■ 19.4918, 0.2671,
0.2434

■ 19.4918, 0.2671,
0.2434

■ 14.9965, 0.2488,
0.2105

■ 24.8373, 0.2839,
0.2743

■ 11.3051, 0.2294,
0.1768

■ 31.0713, 0.2989,
0.3025

■ 8.3706, 0.2101,
0.1440

■ 38.2327, 0.3121,
0.3277

■ 6.1399, 0.1918,
0.1145

■ 46.3574, 0.3234,
0.3500

■ 4.5531, 0.1760,
0.0903

■ 55.4794, 0.3332,
0.3695

■ 3.5400, 0.1637,
0.0733

■ 65.6309, 0.3416,
0.3865

■ 2.9717, 0.1557,
0.0632

■ 76.8428, 0.3487,
0.4013

■ 89.1446, 0.3548,
0.4141

■ 95.1336, 0.3633,
0.4158

Harmonies

Analogous

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



19.4918, 0.2293, 0.2433



19.4918, 0.2671, 0.2434



19.4918, 0.3206, 0.2620

Triad

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



19.4918, 0.2671, 0.2434



19.4918, 0.4232, 0.3802



19.4918, 0.2492, 0.3635

Complementary

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



19.4918, 0.2671, 0.2434



36.3777, 0.3507, 0.4054

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.



19.4918, 0.2974, 0.4123



19.4918, 0.2671, 0.2434



19.4918, 0.3988, 0.4160

Square

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



19.4918, 0.2671, 0.2434



19.4918, 0.4155, 0.3368



19.4918, 0.3522, 0.4310



19.4918, 0.2195, 0.3072

Rectangle

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



19.4918, 0.2671, 0.2434



19.4918, 0.3588, 0.2828



19.4918, 0.3522, 0.4310



19.4918, 0.2637, 0.3819

Sweetspot

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



19.4926, 0.2671, 0.2434



57.3078, 0.3008, 0.3062



31.7183, 0.2685, 0.3179



12.4431, 0.2989, 0.3024



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



19.4926, 0.2671, 0.2434



29.0160, 0.2542, 0.2201



21.6061, 0.2947, 0.2498



7.3481, 0.3007, 0.3058



2.2868, 0.1563, 0.0635



0.0700, 0.1792, 0.0761

Inverse Universe

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



23.2463, 0.3241, 0.2641



36.9215, 0.3274, 0.2490



34.0294, 0.3258, 0.4119



7.6486, 0.3157, 0.3097



7.8346, 0.3582, 0.1747



0.1953, 0.3442, 0.1670

Previews

White Background



This preview shows how the Yxy color 19.4918, 0.2671, 0.2434 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 19.4918, 0.2671, 0.2434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

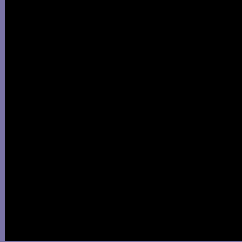
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4918, 0.2671, 0.2434

Background



This preview shows how black text looks on a background with the Yxy color 19.4918, 0.2671, 0.2434.



This preview shows how white text looks on a background with the Yxy color 19.4918, 0.2671, 0.2434.

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

19.4918, 0.2671, 0.2434

Protanopia

19.4610, 0.2497, 0.2426

Deuteranopia

19.4373, 0.2548, 0.2488



Tritanopia

19.5449, 0.2946, 0.3121

Trichromacy



Original Color

19.4918, 0.2671, 0.2434

Protanomaly

19.5689, 0.2559, 0.2435

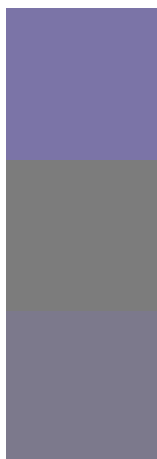
Deuteranomaly

19.5242, 0.2594, 0.2480

Tritanomaly

19.3992, 0.2844, 0.2839

Monochromacy



Original Color

19.4918, 0.2671, 0.2434

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.8533, 0.2953, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4918, 0.2671, 0.2434 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, 116, 167)` looks like.

```
.text, #text, p{  
    color:rgb(123, 116, 167)  
}
```

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, 116, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 116, 167) }
```

Border

The CSS property to change the border of an element to Yxy 19.4918, 0.2671, 0.2434 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, 116, 167) }
```

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

```
.border{ border-color:rgb(123, 116, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 116, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 116, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 116, 167);  
box-shadow:4px 4px 4px 4px rgb(123, 116,  
167) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 19.4918, 0.2671, 0.2434$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 116, 167) }
```

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

```
.background{ background-color: rgb(123,  
116, 167) }
```

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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