

Converting Colors

$Y_{xy}(19.9234, 0.2496, 0.2516)$

Have a look what the booklet for
Yxy(19.9234, 0.2496, 0.2516)
contains.

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Color

Yxy(19.8990, 0.2501, 0.2518)

Conversions

Conversions Part 1

Format	Color
Hex	687BA7
RGB	104, 123, 167
RGB Percent	41%, 48%, 65%
CMY	0.5923, 0.5176, 0.3451
CMYK	0.38, 0.26, 0.00, 0.35
HSL	222°, 26%, 53%
HSV	222°, 38%, 65%
XYZ	19.7647, 19.8990, 39.3634
YIQ	122.3350, -25.4480, 9.6560

Conversions

Conversions Part 2

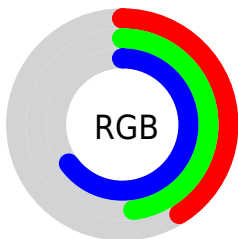
Format	Color
RYB	104, 119, 167
Decimal	6847399
CIELab	51.72, 4.32, -25.71
CIELCh	52, 26.072, 279.527
Yxy	19.8990, 0.2501, 0.2518
Android (android.graphics.Color)	4285037479 (0xFF687BA7)
YUV	122.3350, 22.0198, -16.0798
Hunter-Lab	44.6083, 1.0237, -21.0930

Details

The Yxy color **19.8990, 0.2501, 0.2518** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.3857, 0.3777, 0.3955**, and the grayscale version is **19.5088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1020, 0.2639, 0.2682**, and **7.0268, 0.2261, 0.2244** is the 20% darker color. If you saturate the color by 10%, you get **16.2755, 0.2321, 0.2268**, and if you desaturate by 10%, it is **24.0663, 0.2679, 0.2751**.

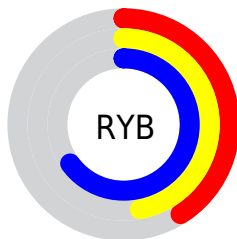
Distribution



Red (41%)

Green (48%)

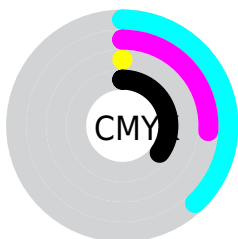
Blue (65%)



Red (41%)

Yellow (47%)

Blue (65%)

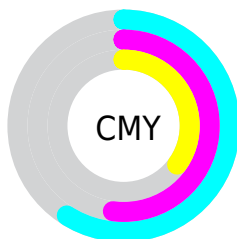


Cyan (38%)

Magenta (26%)

Yellow (0%)

Black (35%)



Cyan (59%)

Magenta (52%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8990, 0.2501, 0.2518 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 19.8990, 0.2501, 0.2518 by changing the saturation by 10% instead.

■ 19.8990, 0.2501,
0.2518

■ 19.8990, 0.2501,
0.2518

251.3678, 0.2852,
0.2944

■ 12.3216, 0.2400,
0.2398

■ 43.2478, 0.2638,
0.2683

■ 6.9631, 0.2261,
0.2235

■ 59.7880, 0.2687,
0.2742

■ 3.4391, 0.2062,
0.2006

■ 80.0846, 0.2727,
0.2790

■ 1.3650, 0.1757,
0.1662

■ 104.5221, 0.2760,
0.2831

■ 0.1907, 0.0988,
0.0657

133.4847, 0.2788,
0.2866

■ 0.0000, 0.0000,
0.0000

167.3570, 0.2813,

0.2896

206.5232, 0.2834,
0.2921

■ 19.8990, 0.2501,
0.2518

■ 19.8990, 0.2501,
0.2518

■ 16.2755, 0.2321,
0.2268

■ 24.0663, 0.2679,
0.2751

■ 13.1698, 0.2145,
0.2007

■ 28.7975, 0.2850,
0.2964

■ 10.5568, 0.1980,
0.1745

■ 34.1141, 0.3010,
0.3156

■ 8.4085, 0.1836,
0.1491

■ 40.0359, 0.3160,
0.3327

■ 6.6932, 0.1719,
0.1258

■ 46.5819, 0.3297,
0.3477

■ 5.3672, 0.1633,
0.1056

■ 53.7699, 0.3422,
0.3608

■ 5.1098, 0.1615,
0.1015

■ 61.6174, 0.3535,
0.3723

■ 70.1407, 0.3637,
0.3824

■ 79.3561, 0.3729,
0.3911

Harmonies

Analogous

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



19.8990, 0.2281, 0.2639



19.8990, 0.2501, 0.2518



19.8990, 0.2895, 0.2580

Triad

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



19.8990, 0.2501, 0.2518



19.8990, 0.4075, 0.3511



19.8990, 0.2830, 0.3869

Complementary

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



19.8990, 0.2501, 0.2518



30.3857, 0.3777, 0.3955

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.



19.8990, 0.3302, 0.4141



19.8990, 0.2501, 0.2518



19.8990, 0.4039, 0.3875

Square

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



19.8990, 0.2501, 0.2518



19.8990, 0.3830, 0.3128



19.8990, 0.3748, 0.4123



19.8990, 0.2456, 0.3407

Rectangle

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



19.8990, 0.2501, 0.2518



19.8990, 0.3218, 0.2710



19.8990, 0.3748, 0.4123



19.8990, 0.2982, 0.3989

Sweetspot

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



19.8998, 0.2501, 0.2518



57.6811, 0.2956, 0.3092



32.6906, 0.2752, 0.3628



12.6294, 0.2935, 0.3068



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.



19.8998, 0.2501, 0.2518



30.3253, 0.2356, 0.2317



16.3651, 0.2571, 0.2207



7.6563, 0.2986, 0.3128



3.9868, 0.1620, 0.1031



0.1857, 0.1807, 0.1706

Inverse Universe

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



19.5411, 0.3750, 0.2996



30.1172, 0.3951, 0.2934



35.6537, 0.3564, 0.4246



7.5782, 0.3240, 0.3222



6.4735, 0.5712, 0.2920



0.1665, 0.4799, 0.2417

Previews

White Background



This preview shows how the Yxy color 19.8990, 0.2501, 0.2518 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 19.8990, 0.2501, 0.2518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

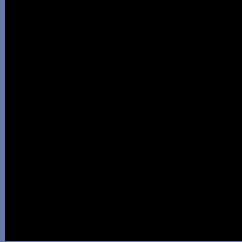
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

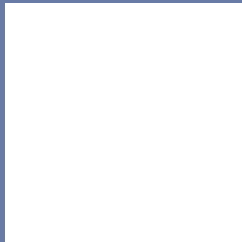
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.8990, 0.2501, 0.2518

Background



This preview shows how black text looks on a background with the Yxy color 19.8990, 0.2501, 0.2518.



This preview shows how white text looks on a background with the Yxy color 19.8990, 0.2501, 0.2518.

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

19.8990, 0.2501, 0.2518

Protanopia

19.7429, 0.2560, 0.2508

Deuteranopia

19.7798, 0.2552, 0.2493



Tritanopia

19.8438, 0.2684, 0.3077

Trichromacy



Original Color

19.8990, 0.2501, 0.2518

Protanomaly

19.8604, 0.2543, 0.2522

Deuteranomaly

19.8972, 0.2535, 0.2507

Tritanomaly

19.8010, 0.2620, 0.2860

Monochromacy



Original Color

19.8990, 0.2501, 0.2518

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.3989, 0.2872, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8990, 0.2501, 0.2518 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(104, 123, 167)` looks like.

```
.text, #text, p{  
    color:rgb(104, 123, 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(104, 123, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 123, 167) }
```

Border

The CSS property to change the border of an element to Yxy 19.8990, 0.2501, 0.2518 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(104, 123, 167) }
```

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

```
.border{ border-color:rgb(104, 123, 167) }
```

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

Here you see how a box with a 4 pixel rgb(104, 123, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 123, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 123, 167);  
box-shadow:4px 4px 4px 4px rgb(104, 123,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8990, 0.2501, 0.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 123, 167) }
```

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

```
.background{ background-color: rgb(104,  
123, 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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