

Converting Colors

$Y_{xy}(19.9872, 0.2562, 0.2526)$

Have a look what the booklet for
Yxy(19.9872, 0.2562, 0.2526)
contains.

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Color

Yxy(19.9872, 0.2562, 0.2526)

Conversions

Conversions Part 1

Format	Color
Hex	6E7AA6
RGB	110, 122, 166
RGB Percent	43%, 48%, 65%
CMY	0.5687, 0.5216, 0.3490
CMYK	0.34, 0.27, 0.00, 0.35
HSL	227°, 24%, 54%
HSV	227°, 34%, 65%
XYZ	20.2721, 19.9872, 38.8666
YIQ	123.4280, -21.2760, 11.1400

Conversions

Conversions Part 2

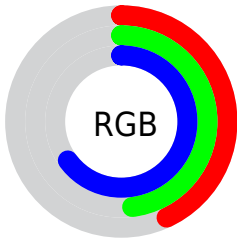
Format	Color
R _Y B	110, 120, 166
Decimal	7240358
CIE Lab	51.82, 6.40, -24.94
CIE LCh	52, 25.746, 284.390
Yxy	19.9872, 0.2562, 0.2526
Android (android.graphics.Color)	4285430438 (0xFF6E7AA6)
YUV	123.4280, 20.9880, -11.7764
Hunter-Lab	44.7070, 2.7021, -20.2496

Details

The Yxy color **19.9872, 0.2562, 0.2526** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.3409, 0.3677, 0.3952**, and the grayscale version is **19.8905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2791, 0.2688, 0.2687**, and **7.0731, 0.2347, 0.2258** is the 20% darker color. If you saturate the color by 10%, you get **16.0306, 0.2373, 0.2251**, and if you desaturate by 10%, it is **24.5745, 0.2744, 0.2781**.

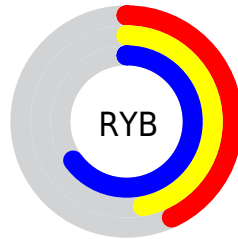
Distribution



Red (43%)

Green (48%)

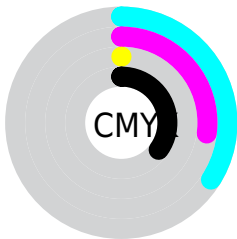
Blue (65%)



Red (43%)

Yellow (47%)

Blue (65%)

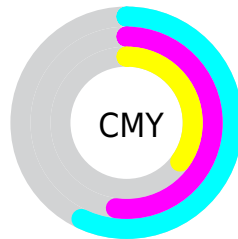


Cyan (34%)

Magenta (27%)

Yellow (0%)

Black (35%)



Cyan (57%)

Magenta (52%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9872, 0.2562, 0.2526 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 19.9872, 0.2562, 0.2526 by changing the saturation by 10% instead.

■ 19.9872, 0.2562,
0.2526

■ 19.9872, 0.2562,
0.2526

251.8458, 0.2880,
0.2946

■ 12.3857, 0.2469,
0.2408

■ 43.3957, 0.2687,
0.2688

■ 7.0070, 0.2342,
0.2248

■ 59.9716, 0.2731,
0.2746

■ 3.4664, 0.2158,
0.2023

■ 80.3077, 0.2767,
0.2794

■ 1.3798, 0.1872,
0.1685

■ 104.7884, 0.2797,
0.2835

■ 0.2018, 0.1201,
0.0696

133.7982, 0.2823,
0.2869

■ 0.0000, 0.0000,
0.0000

167.7215, 0.2845,

0.2898

206.9425, 0.2864,
0.2924

■ 19.9872, 0.2562,
0.2526

■ 19.9872, 0.2562,
0.2526

■ 16.0306, 0.2373,
0.2251

■ 24.5745, 0.2744,
0.2781

■ 12.6744, 0.2185,
0.1963

■ 29.8166, 0.2915,
0.3012

■ 9.8887, 0.2004,
0.1673

■ 35.7389, 0.3072,
0.3219

■ 7.6406, 0.1842,
0.1396

■ 42.3652, 0.3215,
0.3401

■ 5.8931, 0.1709,
0.1146

■ 49.7176, 0.3344,
0.3561

■ 4.6042, 0.1611,
0.0938

■ 57.8176, 0.3459,
0.3700

■ 3.9910, 0.1565,
0.0832

■ 66.6855, 0.3562,
0.3821

■ 76.3412, 0.3654,
0.3926

■ 85.9604, 0.3704,
0.4025

Harmonies

Analogous

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



19.9872, 0.2313, 0.2616



19.9872, 0.2562, 0.2526



19.9872, 0.2973, 0.2614

Triad

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



19.9872, 0.2562, 0.2526



19.9872, 0.4076, 0.3571



19.9872, 0.2765, 0.3795

Complementary

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



19.9872, 0.2562, 0.2526



32.3409, 0.3677, 0.3952

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.



19.9872, 0.3223, 0.4104



19.9872, 0.2562, 0.2526



19.9872, 0.3995, 0.3918

Square

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



19.9872, 0.2562, 0.2526



19.9872, 0.3876, 0.3190



19.9872, 0.3676, 0.4133



19.9872, 0.2421, 0.3328

Rectangle

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



19.9872, 0.2562, 0.2526



19.9872, 0.3297, 0.2758



19.9872, 0.3676, 0.4133



19.9872, 0.2910, 0.3924

Sweetspot

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



19.9880, 0.2562, 0.2526



57.7894, 0.2972, 0.3089



32.9165, 0.2745, 0.3490



12.6150, 0.2950, 0.3060



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.



19.9880, 0.2562, 0.2526



31.1290, 0.2430, 0.2335



18.3286, 0.2702, 0.2354



7.5517, 0.2986, 0.3107



3.1529, 0.1568, 0.0846



0.1469, 0.1732, 0.1435

Inverse Universe

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



20.6627, 0.3728, 0.3104



32.8506, 0.3911, 0.3065



34.8956, 0.3463, 0.4159



7.5677, 0.3253, 0.3242



6.3893, 0.5997, 0.3077



0.1625, 0.5145, 0.2608

Previews

White Background



This preview shows how the Yxy color 19.9872, 0.2562, 0.2526 looks on a white background.

Color Contrast Check

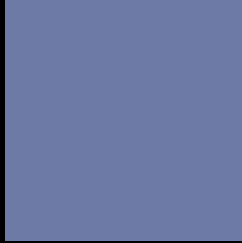
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9872, 0.2562, 0.2526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

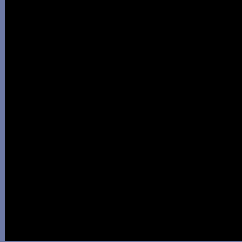
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

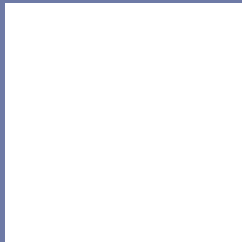
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9872, 0.2562, 0.2526

Background



This preview shows how black text looks on a background with the Yxy color 19.9872, 0.2562, 0.2526.



This preview shows how white text looks on a background with the Yxy color 19.9872, 0.2562, 0.2526.

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

19.9872, 0.2562, 0.2526

Protanopia

20.0517, 0.2572, 0.2528

Deuteranopia

20.0517, 0.2572, 0.2528



Tritanopia

19.9568, 0.2760, 0.3080

Trichromacy



Original Color

19.9872, 0.2562, 0.2526

Protanomaly

20.0517, 0.2572, 0.2528

Deuteranomaly

20.0517, 0.2572, 0.2528

Tritanomaly

19.8695, 0.2685, 0.2865

Monochromacy



Original Color

19.9872, 0.2562, 0.2526

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.8815, 0.2896, 0.2997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9872, 0.2562, 0.2526 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(110, 122, 166)` looks like.

```
.text, #text, p{  
    color:rgb(110, 122, 166)  
}
```

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(110, 122, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 122, 166) }
```

Border

The CSS property to change the border of an element to Yxy 19.9872, 0.2562, 0.2526 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(110, 122, 166) }
```

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

```
.border{ border-color:rgb(110, 122, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 122, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 122, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 122, 166);  
box-shadow:4px 4px 4px 4px rgb(110, 122,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9872, 0.2562, 0.2526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 122, 166) }
```

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

```
.background{ background-color: rgb(110,  
122, 166) }
```

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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