

Converting Colors

$Y_{xy}(19.6429, 0.2523, 0.2701)$

Have a look what the booklet for
Yxy(19.6429, 0.2523, 0.2701)
contains.

Yxy(19.6429, 0.2523, 0.2701)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.6429, 0.2523, 0.2701)

Conversions

Conversions Part 1

Format	Color
Hex	617D9D
RGB	97, 125, 157
RGB Percent	38%, 49%, 62%
CMY	0.6197, 0.5098, 0.3842
CMYK	0.38, 0.20, 0.00, 0.38
HSL	212°, 24%, 50%
HSV	212°, 38%, 62%
XYZ	18.3484, 19.6429, 34.7332
YIQ	120.2760, -26.9600, 4.0160

Conversions

Conversions Part 2

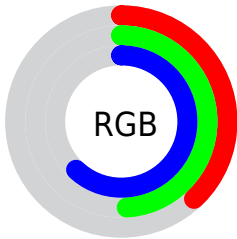
Format	Color
RYB	97, 116, 157
Decimal	6389149
CIELab	51.43, -1.68, -20.39
CIELCh	51, 20.463, 265.295
Yxy	19.6429, 0.2523, 0.2701
Android (android.graphics.Color)	4284579229 (0xFF617D9D)
YUV	120.2760, 18.1049, -20.4131
Hunter-Lab	44.3203, -3.6624, -15.4406

Details

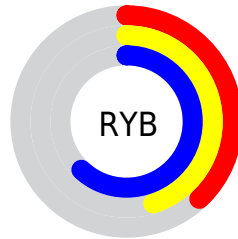
The Yxy color **19.6429, 0.2523, 0.2701** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **23.7314, 0.3841, 0.3811**, and the grayscale version is **18.8217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6818, 0.2656, 0.2822**, and **6.8138, 0.2288, 0.2452** is the 20% darker color. If you saturate the color by 10%, you get **16.8337, 0.2362, 0.2513**, and if you desaturate by 10%, it is **22.8031, 0.2686, 0.2876**.

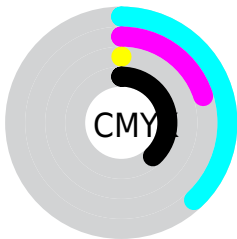
Distribution



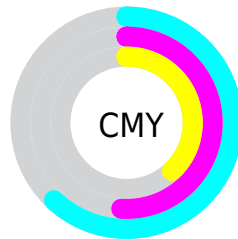
- Red (38%)
- Green (49%)
- Blue (62%)



- Red (38%)
- Yellow (45%)
- Blue (62%)



- Cyan (38%)
- Magenta (20%)
- Yellow (0%)
- Black (38%)



- Cyan (62%)
- Magenta (51%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6429, 0.2523, 0.2701 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 19.6429, 0.2523, 0.2701 by changing the saturation by 10% instead.

■ 19.6429, 0.2523,
0.2701

■ 19.6429, 0.2523,
0.2701

■ 249.9753, 0.2862,
0.3033

■ 12.1357, 0.2425,
0.2604

■ 42.8177, 0.2656,
0.2832

■ 6.8362, 0.2289,
0.2469

■ 59.2541, 0.2703,
0.2878

■ 3.3599, 0.2092,
0.2271

■ 79.4356, 0.2741,
0.2916

■ 1.3224, 0.1784,
0.1960

■ 103.7468, 0.2773,
0.2947

■ 0.1584, 0.0544,
0.0786

■ 132.5720, 0.2801,
0.2974

■ 0.0000, 0.0000,
0.0000

166.2955, 0.2824,

0.2996

205.3018, 0.2844,
0.3016

■ 19.6429, 0.2523,
0.2701

■ 19.6429, 0.2523,
0.2701

■ 16.8337, 0.2362,
0.2513

■ 22.8031, 0.2686,
0.2876

■ 14.3587, 0.2209,
0.2315

■ 26.3254, 0.2847,
0.3036

■ 12.2028, 0.2067,
0.2112

■ 30.2235, 0.3003,
0.3182

■ 10.3487, 0.1943,
0.1908

■ 34.5092, 0.3153,
0.3312

■ 8.7768, 0.1841,
0.1710

■ 39.1941, 0.3294,
0.3427

■ 7.4541, 0.1761,
0.1522

■ 44.2891, 0.3427,
0.3530

■ 7.2399, 0.1747,
0.1490

■ 49.8047, 0.3550,
0.3619

■ 55.7508, 0.3664,
0.3698

■ 62.1373, 0.3770,
0.3767

Harmonies

Analogous

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



19.6429, 0.2420, 0.2879



19.6429, 0.2523, 0.2701



19.6429, 0.2782, 0.2678

Triad

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



19.6429, 0.2523, 0.2701



19.6429, 0.3806, 0.3328



19.6429, 0.3071, 0.3864

Complementary

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



19.6429, 0.2523, 0.2701



23.7314, 0.3841, 0.3811

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.



19.6429, 0.3449, 0.3977



19.6429, 0.2523, 0.2701



19.6429, 0.3888, 0.3635

Square

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



19.6429, 0.2523, 0.2701



19.6429, 0.3528, 0.3029



19.6429, 0.3752, 0.3880



19.6429, 0.2723, 0.3563

Rectangle

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



19.6429, 0.2523, 0.2701



19.6429, 0.3018, 0.2743



19.6429, 0.3752, 0.3880



19.6429, 0.3199, 0.3926

Sweetspot

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



19.6437, 0.2523, 0.2701



51.9660, 0.2958, 0.3140



28.2206, 0.2827, 0.3820



11.2421, 0.2938, 0.3122



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



19.6437, 0.2523, 0.2701



30.7847, 0.2384, 0.2539



13.5747, 0.2456, 0.2165



6.9201, 0.2988, 0.3168



5.9512, 0.1751, 0.1504



0.1904, 0.1957, 0.2246

Inverse Universe

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



17.1957, 0.3608, 0.2835



26.3557, 0.3768, 0.2734



32.0550, 0.3675, 0.4217



6.6951, 0.3215, 0.3186



6.2230, 0.5054, 0.2558



0.1197, 0.4183, 0.2078

Previews

White Background



This preview shows how the Yxy color 19.6429, 0.2523, 0.2701 looks on a white background.

Color Contrast Check

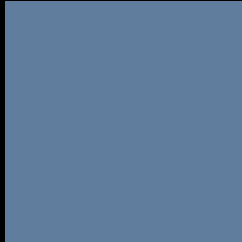
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6429, 0.2523, 0.2701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

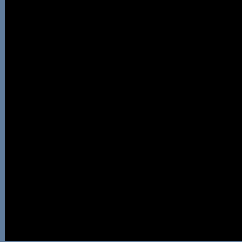
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

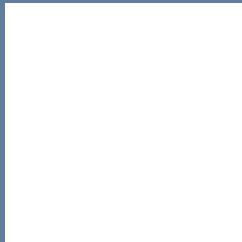
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.6429, 0.2523, 0.2701

Background



This preview shows how black text looks on a background with the Yxy color 19.6429, 0.2523, 0.2701.

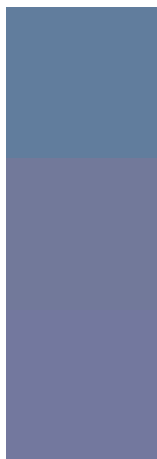


This preview shows how white text looks on a background with the Yxy color 19.6429, 0.2523, 0.2701.

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

19.6429, 0.2523, 0.2701

Protanopia

19.5852, 0.2704, 0.2701

Deuteranopia

19.5464, 0.2676, 0.2621



Tritanopia

19.5777, 0.2637, 0.3074

Trichromacy



Original Color

19.6429, 0.2523, 0.2701

Protanomaly

19.4738, 0.2636, 0.2694

Deuteranomaly

19.5758, 0.2610, 0.2645

Tritanomaly

19.6338, 0.2592, 0.2926

Monochromacy



Original Color

19.6429, 0.2523, 0.2701

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.0573, 0.2890, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6429, 0.2523, 0.2701 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(97, 125, 157)` looks like.

```
.text, #text, p{  
    color:rgb(97, 125, 157)  
}
```

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(97, 125, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 125, 157) }
```

Border

The CSS property to change the border of an element to Yxy 19.6429, 0.2523, 0.2701 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(97, 125, 157) }
```

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

```
.border{ border-color:rgb(97, 125, 157) }
```

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

Here you see how a box with a 4 pixel rgb(97, 125, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 125, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 125, 157);  
box-shadow:4px 4px 4px 4px rgb(97, 125,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6429, 0.2523, 0.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 125, 157) }
```

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

```
.background{ background-color: rgb(97, 125,  
157) }
```

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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