

Converting Colors

$Y_{xy}(19.7542, 0.2390, 0.2308)$

Have a look what the booklet for
Yxy(19.7542, 0.2390, 0.2308)
contains.

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Color

Yxy(19.7542, 0.2390, 0.2308)

Conversions

Conversions Part 1

Format	Color
Hex	6679B3
RGB	102, 121, 179
RGB Percent	40%, 47%, 70%
CMY	0.5999, 0.5255, 0.2981
CMYK	0.43, 0.32, 0.00, 0.30
HSL	225°, 34%, 55%
HSV	225°, 43%, 70%
XYZ	20.4560, 19.7542, 45.3799
YIQ	121.9310, -29.9420, 14.0100

Conversions

Conversions Part 2

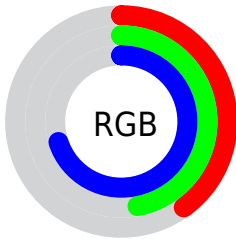
Format	Color
R_{YB}	102, 117, 179
Decimal	6715827
CIE _{Lab}	51.56, 8.44, -32.91
CIE _{LCh}	52, 33.979, 284.382
Yxy	19.7542, 0.2390, 0.2308
Android (android.graphics.Color)	4284905907 (0xFF6679B3)
YUV	121.9310, 28.1350, -17.4795
Hunter-Lab	44.4457, 4.3743, -29.4242

Details

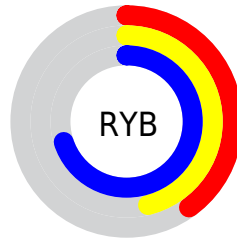
The Yxy color **19.7542, 0.2390, 0.2308** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.6983, 0.3860, 0.4105**, and the grayscale version is **19.3547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9532, 0.2550, 0.2509**, and **6.9244, 0.2117, 0.1977** is the 20% darker color. If you saturate the color by 10%, you get **15.7665, 0.2204, 0.2030**, and if you desaturate by 10%, it is **24.4277, 0.2576, 0.2572**.

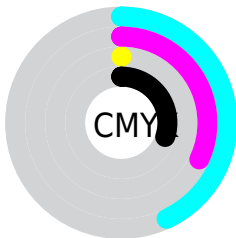
Distribution



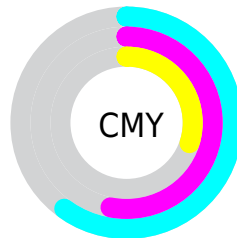
- Red (40%)
- Green (47%)
- Blue (70%)



- Red (40%)
- Yellow (46%)
- Blue (70%)



- Cyan (43%)
- Magenta (32%)
- Yellow (0%)
- Black (30%)



- Cyan (60%)
- Magenta (53%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7542, 0.2390, 0.2308 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 19.7542, 0.2390, 0.2308 by changing the saturation by 10% instead.

■ 19.7542, 0.2390,
0.2308

■ 19.7542, 0.2390,
0.2308

■ 250.5813, 0.2801,
0.2840

■ 12.2165, 0.2273,
0.2164

■ 43.0047, 0.2550,
0.2511

■ 6.8913, 0.2116,
0.1973

■ 59.4863, 0.2607,
0.2584

■ 3.3942, 0.1895,
0.1711

■ 79.7179, 0.2654,
0.2645

■ 1.3408, 0.1568,
0.1343

■ 104.0841, 0.2693,
0.2696

■ 0.1725, 0.0931,
0.0434

■ 132.9691, 0.2726,
0.2740

■ 0.0000, 0.0000,
0.0000

166.7574, 0.2755,

0.2778

205.8333, 0.2780,
0.2811

■ 19.7542, 0.2390,
0.2308

■ 19.7542, 0.2390,
0.2308

■ 15.7665, 0.2204,
0.2030

■ 24.4277, 0.2576,
0.2572

■ 12.4289, 0.2025,
0.1748

■ 29.8160, 0.2756,
0.2817

■ 9.7054, 0.1864,
0.1474

■ 35.9491, 0.2926,
0.3038

■ 7.5554, 0.1731,
0.1223

■ 42.8544, 0.3083,
0.3235

■ 5.9325, 0.1631,
0.1009

■ 50.5581, 0.3226,
0.3410

■ 5.0627, 0.1579,
0.0884

■ 59.0850, 0.3356,
0.3562

■ 68.4589, 0.3472,
0.3695

■ 78.7025, 0.3577,
0.3811

■ 88.2622, 0.3613,
0.3924

Harmonies

Analogous

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



19.7542, 0.2080, 0.2408



19.7542, 0.2390, 0.2308



19.7542, 0.2916, 0.2425

Triad

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



19.7542, 0.2390, 0.2308



19.7542, 0.4383, 0.3626



19.7542, 0.2641, 0.3974

Complementary

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



19.7542, 0.2390, 0.2308



35.6983, 0.3860, 0.4105

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.



19.7542, 0.3235, 0.4393



19.7542, 0.2390, 0.2308



19.7542, 0.4261, 0.4085

Square

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



19.7542, 0.2390, 0.2308



19.7542, 0.4122, 0.3145



19.7542, 0.3830, 0.4401



19.7542, 0.2206, 0.3326

Rectangle

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



19.7542, 0.2390, 0.2308



19.7542, 0.3343, 0.2605



19.7542, 0.3830, 0.4401



19.7542, 0.2828, 0.4154

Sweetspot

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



19.7549, 0.2390, 0.2308



64.1247, 0.2922, 0.3033



37.5950, 0.2674, 0.3599



13.6492, 0.2886, 0.2987



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



19.7549, 0.2390, 0.2308



28.3149, 0.2206, 0.2033



16.8497, 0.2524, 0.2043



8.5590, 0.2985, 0.3113



3.6663, 0.1584, 0.0903



0.2087, 0.1738, 0.1456

Inverse Universe

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



20.4737, 0.3947, 0.3015



30.5433, 0.4248, 0.2959



40.6470, 0.3572, 0.4404



8.5385, 0.3250, 0.3234



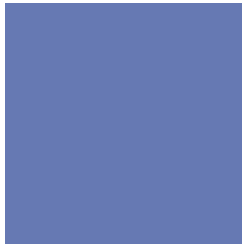
6.9102, 0.5907, 0.3028



0.2269, 0.5116, 0.2592

Previews

White Background



This preview shows how the Yxy color 19.7542, 0.2390, 0.2308 looks on a white background.

Color Contrast Check

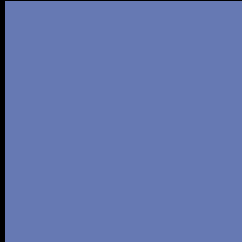
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7542, 0.2390, 0.2308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

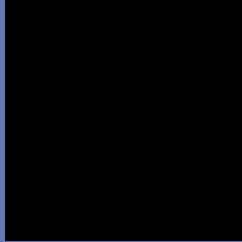
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

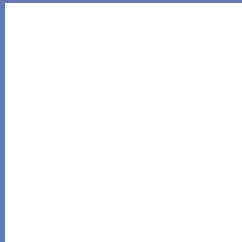
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.7542, 0.2390, 0.2308

Background



This preview shows how black text looks on a background with the Yxy color 19.7542, 0.2390, 0.2308.

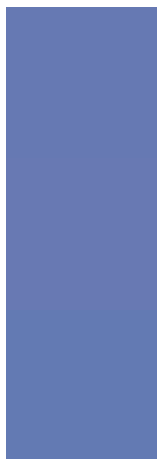


This preview shows how white text looks on a background with the Yxy color 19.7542, 0.2390, 0.2308.

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

19.7542, 0.2390, 0.2308

Protanopia

19.8725, 0.2406, 0.2312

Deuteranopia

19.8264, 0.2368, 0.2320



Tritanopia

19.7887, 0.2630, 0.3093

Trichromacy



Original Color

19.7542, 0.2390, 0.2308

Protanomaly

19.8130, 0.2398, 0.2310

Deuteranomaly

19.8831, 0.2376, 0.2321

Tritanomaly

19.6877, 0.2533, 0.2768

Monochromacy



Original Color

19.7542, 0.2390, 0.2308

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5471, 0.2822, 0.2905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7542, 0.2390, 0.2308 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(102, 121, 179)` looks like.

```
.text, #text, p{  
    color:rgb(102, 121, 179)  
}
```

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(102, 121, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 121, 179) }
```

Border

The CSS property to change the border of an element to Yxy 19.7542, 0.2390, 0.2308 is called "border". The border property can be set on classes, ids or directly on the HTML element.

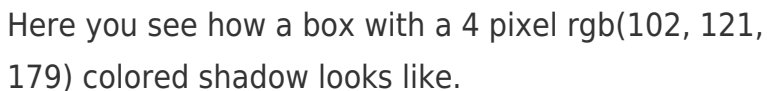
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 121, 179) }
```

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

```
.border{ border-color:rgb(102, 121, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(102, 121, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 121, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 121, 179); box-shadow:4px 4px 4px 4px rgb(102, 121, 179) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7542, 0.2390, 0.2308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 121, 179) }
```

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

```
.background{ background-color: rgb(102,  
121, 179) }
```

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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