

Converting Colors

$Y_{xy}(19.4840, 0.2338, 0.2327)$

Have a look what the booklet for
Yxy(19.4840, 0.2338, 0.2327)
contains.

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Color

Yxy(19.5131, 0.2335, 0.2324)

Conversions

Conversions Part 1

Format	Color
Hex	5E7AB2
RGB	94, 122, 178
RGB Percent	37%, 48%, 70%
CMY	0.6316, 0.5215, 0.3020
CMYK	0.47, 0.31, 0.00, 0.30
HSL	220°, 35%, 53%
HSV	220°, 47%, 70%
XYZ	19.6055, 19.5131, 44.8449
YIQ	120.0120, -34.6640, 11.4800

Conversions

Conversions Part 2

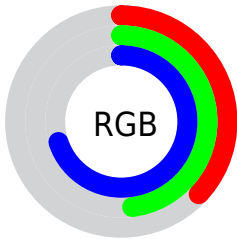
Format	Color
R _Y B	94, 115, 178
Decimal	6191794
CIE Lab	51.28, 5.42, -32.80
CIE LCh	51, 33.244, 279.378
Yxy	19.5131, 0.2335, 0.2324
Android (android.graphics.Color)	4284381874 (0xFF5E7AB2)
YUV	120.0120, 28.5881, -22.8125
Hunter-Lab	44.1736, 1.9193, -29.2694

Details

The Yxy color **19.5131, 0.2335, 0.2324** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **32.0537, 0.3986, 0.4087**, and the grayscale version is **18.6985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5085, 0.2504, 0.2522**, and **6.8096, 0.2046, 0.1994** is the 20% darker color. If you saturate the color by 10%, you get **15.9437, 0.2162, 0.2074**, and if you desaturate by 10%, it is **23.6558, 0.2512, 0.2563**.

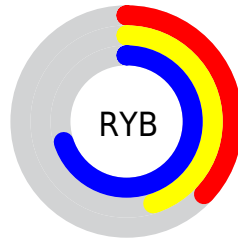
Distribution



Red (37%)

Green (48%)

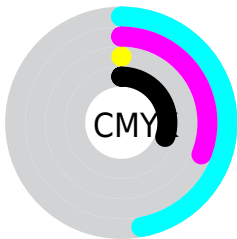
Blue (70%)



Red (37%)

Yellow (45%)

Blue (70%)

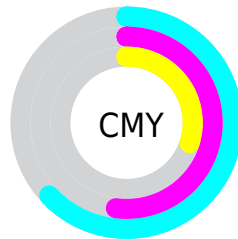


Cyan (47%)

Magenta (31%)

Yellow (0%)

Black (30%)



Cyan (63%)

Magenta (52%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5131, 0.2335, 0.2324 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 19.5131, 0.2335, 0.2324 by changing the saturation by 10% instead.

■ 19.5131, 0.2335,
0.2324

■ 19.5131, 0.2335,
0.2324

■ 249.2669, 0.2776,
0.2851

■ 12.0416, 0.2211,
0.2179

■ 42.5993, 0.2506,
0.2526

■ 6.7720, 0.2044,
0.1988

■ 58.9829, 0.2567,
0.2598

■ 3.3199, 0.1810,
0.1724

■ 79.1059, 0.2617,
0.2659

■ 1.3010, 0.1468,
0.1349

■ 103.3528, 0.2659,
0.2710

■ 0.1419, 0.0713,
0.0379

■ 132.1079, 0.2695,
0.2753

■ 0.0000, 0.0000,
0.0000

165.7557, 0.2726,

0.2790

204.6806, 0.2752,
0.2823

■ 19.5131, 0.2335,
0.2324

■ 19.5131, 0.2335,
0.2324

■ 15.9437, 0.2162,
0.2074

■ 23.6558, 0.2512,
0.2563

■ 12.9177, 0.2000,
0.1820

■ 28.3955, 0.2688,
0.2785

■ 10.4053, 0.1858,
0.1572

■ 33.7570, 0.2858,
0.2988

■ 8.3722, 0.1742,
0.1342

■ 39.7629, 0.3018,
0.3171

■ 6.7738, 0.1656,
0.1138

■ 46.4346, 0.3168,
0.3333

■ 6.3894, 0.1635,
0.1086

■ 53.7927, 0.3305,
0.3476

■ 61.8565, 0.3432,
0.3602

■ 70.6449, 0.3547,
0.3711

■ 80.1758, 0.3651,
0.3807

Harmonies

Analogous

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



19.5131, 0.2068, 0.2463



19.5131, 0.2335, 0.2324



19.5131, 0.2822, 0.2405

Triad

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



19.5131, 0.2335, 0.2324



19.5131, 0.4344, 0.3543



19.5131, 0.2740, 0.4053

Complementary

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



19.5131, 0.2335, 0.2324



32.0537, 0.3986, 0.4087

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.



19.5131, 0.3336, 0.4402



19.5131, 0.2335, 0.2324



19.5131, 0.4286, 0.4005

Square

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



19.5131, 0.2335, 0.2324



19.5131, 0.4028, 0.3073



19.5131, 0.3905, 0.4348



19.5131, 0.2277, 0.3434

Rectangle

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



19.5131, 0.2335, 0.2324



19.5131, 0.3233, 0.2565



19.5131, 0.3905, 0.4348



19.5131, 0.2932, 0.4212

Sweetspot

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



19.5138, 0.2335, 0.2324



64.3473, 0.2907, 0.3045



36.3680, 0.2694, 0.3781



13.7574, 0.2872, 0.3004



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.



19.5138, 0.2335, 0.2324



28.4634, 0.2149, 0.2054



14.3063, 0.2365, 0.1876



8.6787, 0.2985, 0.3134



4.6776, 0.1641, 0.1106



0.2573, 0.1805, 0.1699

Inverse Universe

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



18.8636, 0.3954, 0.2883



28.2494, 0.4257, 0.2806



40.6824, 0.3690, 0.4477



8.5506, 0.3236, 0.3214



7.0123, 0.5601, 0.2859



0.2318, 0.4807, 0.2422

Previews

White Background



This preview shows how the Yxy color 19.5131, 0.2335, 0.2324 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 19.5131, 0.2335, 0.2324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

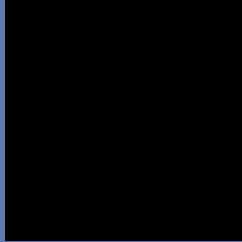
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

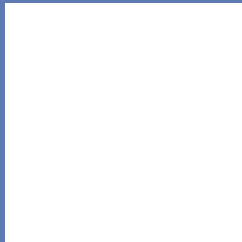
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.5131, 0.2335, 0.2324

Background



This preview shows how black text looks on a background with the Yxy color 19.5131, 0.2335, 0.2324.

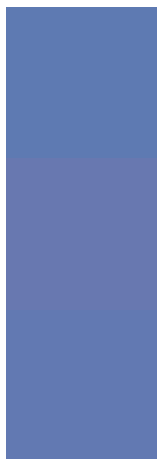


This preview shows how white text looks on a background with the Yxy color 19.5131, 0.2335, 0.2324.

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

19.5131, 0.2335, 0.2324

Protanopia

19.5106, 0.2425, 0.2335

Deuteranopia

19.4858, 0.2364, 0.2313



Tritanopia

19.4330, 0.2552, 0.3070

Trichromacy



Original Color

19.5131, 0.2335, 0.2324

Protanomaly

19.5584, 0.2387, 0.2331

Deuteranomaly

19.4305, 0.2356, 0.2312

Tritanomaly

19.2810, 0.2464, 0.2759

Monochromacy



Original Color

19.5131, 0.2335, 0.2324

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.9773, 0.2797, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5131, 0.2335, 0.2324 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(94, 122, 178)` looks like.

```
.text, #text, p{  
    color:rgb(94, 122, 178)  
}
```

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(94, 122, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 122, 178) }
```

Border

The CSS property to change the border of an element to Yxy 19.5131, 0.2335, 0.2324 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(94, 122, 178) }
```

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

```
.border{ border-color:rgb(94, 122, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 122, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 122, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 122, 178);  
box-shadow:4px 4px 4px 4px rgb(94, 122,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5131, 0.2335, 0.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 122, 178) }
```

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

```
.background{ background-color: rgb(94, 122,  
178) }
```

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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