

Converting Colors

$Yxy(19.3918, 0.2473, 0.2082)$

Have a look what the booklet for
Yxy(19.3918, 0.2473, 0.2082)
contains.

Yxy(19.4000, 0.2472, 0.2084)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.4000, 0.2472, 0.2084)

Conversions

Conversions Part 1

Format	Color
Hex	7A70BD
RGB	122, 112, 189
RGB Percent	48%, 44%, 74%
CMY	0.5213, 0.5609, 0.2588
CMYK	0.35, 0.41, 0.00, 0.26
HSL	248°, 37%, 59%
HSV	248°, 41%, 74%
XYZ	23.0119, 19.4000, 50.6783
YIQ	123.7680, -18.7570, 26.0670

Conversions

Conversions Part 2

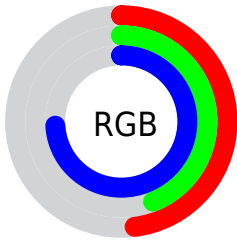
Format	Color
R_{YB}	122, 112, 189
Decimal	8024253
CIE _{Lab}	51.15, 22.18, -39.22
CIE _{LCh}	51, 45.055, 299.496
Yxy	19.4000, 0.2472, 0.2084
Android (android.graphics.Color)	4286214333 (0xFF7A70BD)
YUV	123.7680, 32.1594, -1.5505
Hunter-Lab	44.0454, 16.1793, -37.3868

Details

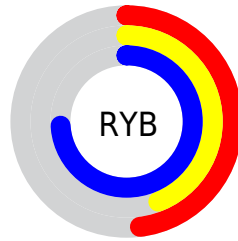
The Yxy color $19.4000, 0.2472, 0.2084$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $47.1418, 0.3636, 0.4318$, and the grayscale version is $19.9732, 0.3127, 0.3290$.

A 20% lighter version of the original color is $42.5519, 0.2619, 0.2319$, and $6.6813, 0.2215, 0.1709$ is the 20% darker color. If you saturate the color by 10%, you get $14.5591, 0.2276, 0.1743$, and if you desaturate by 10%, it is $25.3204, 0.2659, 0.2418$.

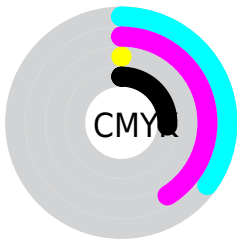
Distribution



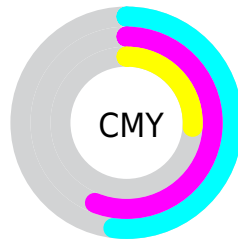
- Red (48%)
- Green (44%)
- Blue (74%)



- Red (48%)
- Yellow (44%)
- Blue (74%)



- Cyan (35%)
- Magenta (41%)
- Yellow (0%)
- Black (26%)



- Cyan (52%)
- Magenta (56%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4000, 0.2472, 0.2084 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 19.4000, 0.2472, 0.2084 by changing the saturation by 10% instead.

■ 19.4000, 0.2472,
0.2084

■ 19.4000, 0.2472,
0.2084

248.6482, 0.2845,
0.2717

■ 11.9597, 0.2365,
0.1921

■ 42.4089, 0.2618,
0.2319

■ 6.7162, 0.2219,
0.1711

■ 58.7463, 0.2670,
0.2406

■ 3.2853, 0.2014,
0.1436

■ 78.8181, 0.2712,
0.2479

■ 1.2824, 0.1710,
0.1069

■ 103.0088, 0.2748,
0.2541

■ 0.1275, 0.1270,
0.0244

131.7028, 0.2778,
0.2594

■ 0.0000, 0.0000,
0.0000

165.2844, 0.2803,

0.2641

204.1381, 0.2825,
0.2681

■ 19.4000, 0.2472,
0.2084

■ 19.4000, 0.2472,
0.2084

■ 14.5591, 0.2276,
0.1743

■ 25.3204, 0.2659,
0.2418

■ 10.7301, 0.2080,
0.1414

■ 32.3781, 0.2830,
0.2731

■ 7.8413, 0.1897,
0.1119

■ 40.6292, 0.2984,
0.3017

■ 5.8101, 0.1740,
0.0881

■ 50.1256, 0.3118,
0.3272

■ 4.5398, 0.1622,
0.0717

■ 60.9160, 0.3234,
0.3497

■ 3.8776, 0.1549,
0.0627

■ 73.0466, 0.3334,
0.3694

■ 86.5613, 0.3419,
0.3865

■ 96.1672, 0.3509,
0.3941

■ 96.4543, 0.3520,
0.3939

Harmonies

Analogous

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



19.4000, 0.1946, 0.2055



19.4000, 0.2472, 0.2084



19.4000, 0.3257, 0.2349

Triad

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



19.4000, 0.2472, 0.2084



19.4000, 0.4750, 0.3978



19.4000, 0.2159, 0.3774

Complementary

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



19.4000, 0.2472, 0.2084



47.1418, 0.3636, 0.4318

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.



19.4000, 0.2831, 0.4588



19.4000, 0.2472, 0.2084



19.4000, 0.4333, 0.4540

Square

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



19.4000, 0.2472, 0.2084



19.4000, 0.4690, 0.3371



19.4000, 0.3627, 0.4847



19.4000, 0.1777, 0.2893

Rectangle

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



19.4000, 0.2472, 0.2084



19.4000, 0.3840, 0.2635



19.4000, 0.3627, 0.4847



19.4000, 0.2356, 0.4081

Sweetspot

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



19.4007, 0.2472, 0.2084



70.4991, 0.2963, 0.2977



39.7681, 0.2553, 0.3154



14.7294, 0.2943, 0.2941



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



19.4007, 0.2472, 0.2084



26.8319, 0.2295, 0.1776



22.6788, 0.2851, 0.2201



9.2836, 0.3004, 0.3054



2.6281, 0.1556, 0.0631



0.1227, 0.1727, 0.0725

Inverse Universe

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



25.6556, 0.3284, 0.2414



39.6683, 0.3328, 0.2235



43.2741, 0.3304, 0.4441



9.6742, 0.3157, 0.3093



9.0973, 0.3565, 0.1738



0.3624, 0.3468, 0.1684

Previews

White Background



This preview shows how the Yxy color 19.4000, 0.2472, 0.2084 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 19.4000, 0.2472, 0.2084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

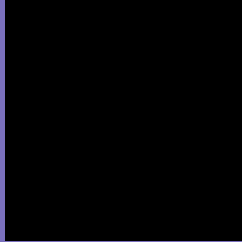
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4000, 0.2472, 0.2084

Background



This preview shows how black text looks on a background with the Yxy color 19.4000, 0.2472, 0.2084.

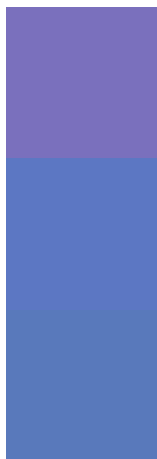


This preview shows how white text looks on a background with the Yxy color 19.4000, 0.2472, 0.2084.

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

19.4000, 0.2472, 0.2084

Protanopia

19.4091, 0.2206, 0.2053

Deuteranopia

19.3864, 0.2239, 0.2178



Tritanopia

19.4515, 0.2859, 0.3100

Trichromacy



Original Color

19.4000, 0.2472, 0.2084

Protanomaly

19.2246, 0.2290, 0.2051

Deuteranomaly

19.3544, 0.2312, 0.2139

Tritanomaly

19.3434, 0.2703, 0.2682

Monochromacy



Original Color

19.4000, 0.2472, 0.2084

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.7820, 0.2858, 0.2795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4000, 0.2472, 0.2084 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(122, 112, 189)` looks like.

```
.text, #text, p{  
    color:rgb(122, 112, 189)  
}
```

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(122, 112, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 112, 189) }
```

Border

The CSS property to change the border of an element to Yxy 19.4000, 0.2472, 0.2084 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(122, 112, 189) }
```

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

```
.border{ border-color:rgb(122, 112, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 112, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 112, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 112, 189);  
box-shadow:4px 4px 4px 4px rgb(122, 112,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4000, 0.2472, 0.2084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 112, 189) }
```

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

```
.background{ background-color: rgb(122,  
112, 189) }
```

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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