

Converting Colors

$Y_{xy}(19.7636, 0.2399, 0.1993)$

Have a look what the booklet for
Yxy(19.7636, 0.2399, 0.1993)
contains.

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Color

Yxy(19.6845, 0.2404, 0.1992)

Conversions

Conversions Part 1

Format	Color
Hex	7970C5
RGB	121, 112, 197
RGB Percent	47%, 44%, 77%
CMY	0.5256, 0.5608, 0.2274
CMYK	0.39, 0.43, 0.00, 0.23
HSL	246°, 42%, 61%
HSV	246°, 43%, 77%
XYZ	23.7558, 19.6845, 55.3775
YIQ	124.3810, -21.9210, 28.3430

Conversions

Conversions Part 2

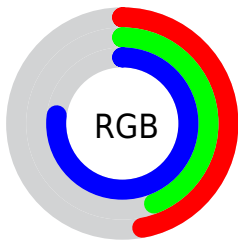
Format	Color
R_{YB}	121, 112, 197
Decimal	7958725
CIE _{Lab}	51.48, 24.10, -43.30
CIE _{LCh}	51, 49.556, 299.096
Yxy	19.6845, 0.2404, 0.1992
Android (android.graphics.Color)	4286148805 (0xFF7970C5)
YUV	124.3810, 35.8012, -2.9651
Hunter-Lab	44.3672, 17.9326, -42.9465

Details

The Yxy color `19.6845, 0.2404, 0.1992` is a dark color, and the websafe version is hex `6666CC`. A complement of this color would be `51.8045, 0.3684, 0.4372`, and the grayscale version is `20.1730, 0.3127, 0.3290`.

A 20% lighter version of the original color is `42.9368, 0.2563, 0.2242`, and `6.8433, 0.2129, 0.1600` is the 20% darker color. If you saturate the color by 10%, you get `14.6440, 0.2203, 0.1648`, and if you desaturate by 10%, it is `25.9101, 0.2599, 0.2332`.

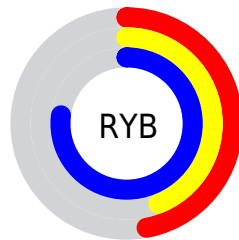
Distribution



Red (47%)

Green (44%)

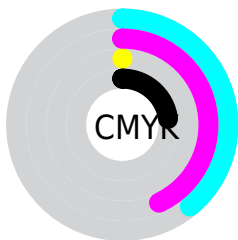
Blue (77%)



Red (47%)

Yellow (44%)

Blue (77%)

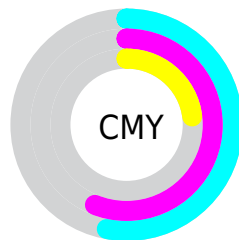


Cyan (39%)

Magenta (43%)

Yellow (0%)

Black (23%)



Cyan (53%)

Magenta (56%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6845, 0.2404, 0.1992 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 19.6845, 0.2404, 0.1992 by changing the saturation by 10% instead.

■ 19.6845, 0.2404,
0.1992

■ 19.6845, 0.2404,
0.1992

250.2020, 0.2812,
0.2665

■ 12.1659, 0.2289,
0.1823

■ 42.8876, 0.2563,
0.2239

■ 6.8568, 0.2134,
0.1608

■ 59.3409, 0.2619,
0.2331

■ 3.3727, 0.1919,
0.1331

■ 79.5412, 0.2666,
0.2409

■ 1.3293, 0.1610,
0.0972

■ 103.8729, 0.2705,
0.2475

■ 0.1637, 0.1181,
0.0260

132.7205, 0.2738,
0.2533

■ 0.0000, 0.0000,
0.0000

166.4683, 0.2766,

0.2582

205.5006, 0.2791,
0.2626

■ 19.6845, 0.2404,
0.1992

■ 19.6845, 0.2404,
0.1992

■ 14.6440, 0.2203,
0.1648

■ 25.9101, 0.2599,
0.2332

■ 10.7110, 0.2006,
0.1322

■ 33.3874, 0.2780,
0.2654

■ 7.8022, 0.1828,
0.1038

■ 42.1805, 0.2943,
0.2949

■ 5.8214, 0.1683,
0.0819

■ 52.3487, 0.3086,
0.3213

■ 4.6538, 0.1581,
0.0678

■ 63.9473, 0.3211,
0.3446

■ 4.1889, 0.1535,
0.0619

■ 77.0291, 0.3318,
0.3650

■ 91.6436, 0.3409,
0.3826

■ 96.8118, 0.3472,
0.3860

Harmonies

Analogous

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



19.6845, 0.1849, 0.1961



19.6845, 0.2404, 0.1992



19.6845, 0.3251, 0.2271

Triad

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



19.6845, 0.2404, 0.1992



19.6845, 0.4889, 0.3999



19.6845, 0.2080, 0.3832

Complementary

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



19.6845, 0.2404, 0.1992



51.8045, 0.3684, 0.4372

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.



19.6845, 0.2803, 0.4738



19.6845, 0.2404, 0.1992



19.6845, 0.4427, 0.4621

Square

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



19.6845, 0.2404, 0.1992



19.6845, 0.4830, 0.3351



19.6845, 0.3661, 0.4993



19.6845, 0.1674, 0.2856

Rectangle

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



19.6845, 0.2404, 0.1992



19.6845, 0.3891, 0.2574



19.6845, 0.3661, 0.4993



19.6845, 0.2291, 0.4175

Sweetspot

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



19.6852, 0.2404, 0.1992



75.4465, 0.2942, 0.2948



43.6624, 0.2527, 0.3165



15.3489, 0.2907, 0.2884



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



19.6852, 0.2404, 0.1992



26.5047, 0.2210, 0.1660



23.4094, 0.2814, 0.2126



10.3402, 0.2999, 0.3052



2.7728, 0.1541, 0.0622



0.1499, 0.1667, 0.0692

Inverse Universe

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



27.0946, 0.3272, 0.2339



41.6288, 0.3312, 0.2150



47.2198, 0.3323, 0.4515



10.7966, 0.3153, 0.3086



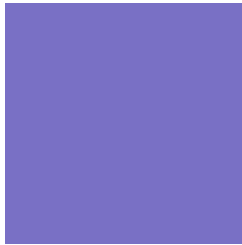
9.8823, 0.3491, 0.1697



0.4736, 0.3425, 0.1661

Previews

White Background



This preview shows how the Yxy color 19.6845, 0.2404, 0.1992 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 19.6845, 0.2404, 0.1992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

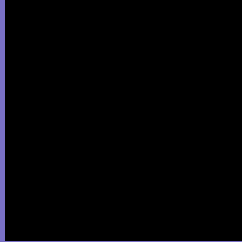
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6845, 0.2404, 0.1992

Background



This preview shows how black text looks on a background with the Yxy color 19.6845, 0.2404, 0.1992.



This preview shows how white text looks on a background with the Yxy color 19.6845, 0.2404, 0.1992.

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

19.6845, 0.2404, 0.1992

Protanopia

19.8673, 0.2136, 0.1961

Deuteranopia

19.8999, 0.2155, 0.2101



Tritanopia

19.8251, 0.2809, 0.3099

Trichromacy



Original Color

19.6845, 0.2404, 0.1992

Protanomaly

19.6490, 0.2223, 0.1971

Deuteranomaly

19.6660, 0.2229, 0.2050

Tritanomaly

19.5881, 0.2648, 0.2634

Monochromacy



Original Color

19.6845, 0.2404, 0.1992

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.8783, 0.2828, 0.2746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6845, 0.2404, 0.1992 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(121, 112, 197)` looks like.

```
.text, #text, p{  
    color:rgb(121, 112, 197)  
}
```

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(121, 112, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 112, 197) }
```

Border

The CSS property to change the border of an element to Yxy 19.6845, 0.2404, 0.1992 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(121, 112, 197) }
```

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

```
.border{ border-color:rgb(121, 112, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 112, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 112, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 112, 197);  
box-shadow:4px 4px 4px 4px rgb(121, 112,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6845, 0.2404, 0.1992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 112, 197) }
```

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

```
.background{ background-color: rgb(121,  
112, 197) }
```

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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