

Converting Colors

$Y_{xy}(18.3419, 0.2437, 0.1982)$

Have a look what the booklet for
Yxy(18.3419, 0.2437, 0.1982)
contains.

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Color

Yxy(18.3419, 0.2437, 0.1982)

Conversions

Conversions Part 1

Format	Color
Hex	796BBF
RGB	121, 107, 191
RGB Percent	47%, 42%, 75%
CMY	0.5253, 0.5805, 0.2509
CMYK	0.37, 0.44, 0.00, 0.25
HSL	250°, 40%, 58%
HSV	250°, 44%, 75%
XYZ	22.5526, 18.3419, 51.6479
YIQ	120.7620, -18.6200, 29.0920

Conversions

Conversions Part 2

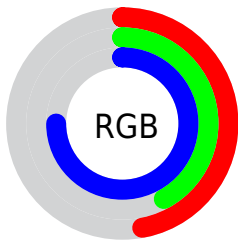
Format	Color
R_{YB}	121, 107, 191
Decimal	7957439
CIE _{Lab}	49.91, 25.46, -42.34
CIE _{LCh}	50, 49.406, 301.015
Yxy	18.3419, 0.2437, 0.1982
Android (android.graphics.Color)	4286147519 (0xFF796BBF)
YUV	120.7620, 34.6273, 0.2087
Hunter-Lab	42.8274, 19.0486, -41.5218

Details

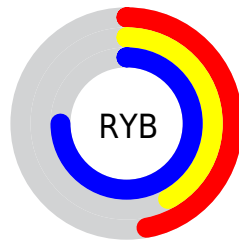
The Yxy color **18.3419, 0.2437, 0.1982** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **47.6682, 0.3645, 0.4410**, and the grayscale version is **18.9326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8037, 0.2592, 0.2239**, and **6.1630, 0.2168, 0.1579** is the 20% darker color. If you saturate the color by 10%, you get **13.7344, 0.2245, 0.1646**, and if you desaturate by 10%, it is **24.0199, 0.2621, 0.2316**.

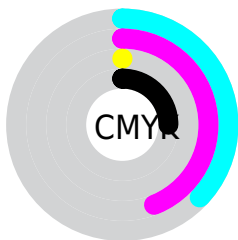
Distribution



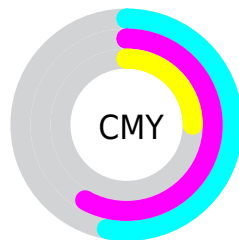
- Red (47%)
- Green (42%)
- Blue (75%)



- Red (47%)
- Yellow (42%)
- Blue (75%)



- Cyan (37%)
- Magenta (44%)
- Yellow (0%)
- Black (25%)





- Cyan (53%)
- Magenta (58%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3419, 0.2437, 0.1982 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 18.3419, 0.2437, 0.1982 by changing the saturation by 10% instead.


 18.3419, 0.2437,
0.1982


 18.3419, 0.2437,
0.1982


242.7912, 0.2833,
0.2666


 11.1957, 0.2323,
0.1808


 40.6191, 0.2593,
0.2234


 6.1986, 0.2168,
0.1586


 56.5188, 0.2648,
0.2328

 2.9662, 0.1949,
0.1299

 76.1053, 0.2693,
0.2407

 1.1141, 0.1628,
0.0925

 99.7628, 0.2730,
0.2474

 0.0000, 0.1169,
0.0000

127.8757, 0.2762,
0.2532

 0.0000, 0.0000,
0.0000

160.8285, 0.2789,

0.2583

199.0055, 0.2812,
0.2627

■ 18.3419, 0.2437,
0.1982

■ 18.3419, 0.2437,
0.1982

■ 13.7344, 0.2245,
0.1646

■ 24.0199, 0.2621,
0.2316

■ 10.1273, 0.2055,
0.1329

■ 30.8281, 0.2792,
0.2634

■ 7.4458, 0.1880,
0.1052

■ 38.8243, 0.2944,
0.2928

■ 5.6029, 0.1732,
0.0837

■ 48.0619, 0.3079,
0.3193

■ 4.4950, 0.1621,
0.0696

■ 58.5907, 0.3195,
0.3428

■ 4.0688, 0.1572,
0.0640

■ 70.4580, 0.3295,
0.3634

■ 83.7086, 0.3380,
0.3815

■ 95.2895, 0.3463,
0.3929

■ 96.5421, 0.3508,
0.3919

Harmonies

Analogous

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



18.3419, 0.1854, 0.1932



18.3419, 0.2437, 0.1982



18.3419, 0.3314, 0.2280

Triad

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



18.3419, 0.2437, 0.1982



18.3419, 0.4904, 0.4047



18.3419, 0.2022, 0.3773

Complementary

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



18.3419, 0.2437, 0.1982



47.6682, 0.3645, 0.4410

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.



18.3419, 0.2739, 0.4729



18.3419, 0.2437, 0.1982



18.3419, 0.4404, 0.4676

Square

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



18.3419, 0.2437, 0.1982



18.3419, 0.4887, 0.3389



18.3419, 0.3611, 0.5035



18.3419, 0.1635, 0.2791

Rectangle

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



18.3419, 0.2437, 0.1982



18.3419, 0.3967, 0.2594



18.3419, 0.3611, 0.5035



18.3419, 0.2230, 0.4129

Sweetspot

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



18.3426, 0.2437, 0.1982



70.7429, 0.2956, 0.2950



38.3337, 0.2504, 0.3077



14.7813, 0.2923, 0.2887



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



18.3426, 0.2437, 0.1982



24.7069, 0.2248, 0.1651



22.0608, 0.2867, 0.2125



9.3001, 0.3009, 0.3055



2.6979, 0.1580, 0.0644



0.1299, 0.1787, 0.0758

Inverse Universe

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



24.7619, 0.3336, 0.2382



37.8457, 0.3395, 0.2200



43.4779, 0.3278, 0.4557



9.6681, 0.3162, 0.3101



8.9352, 0.3677, 0.1799



0.3574, 0.3547, 0.1728

Previews

White Background



This preview shows how the Yxy color 18.3419, 0.2437, 0.1982 looks on a white 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

Black Background



This preview shows how the Yxy color 18.3419, 0.2437, 0.1982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

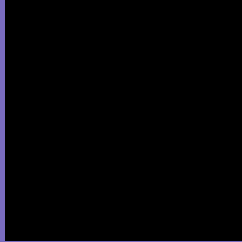
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3419, 0.2437, 0.1982

Background



This preview shows how black text looks on a background with the Yxy color 18.3419, 0.2437, 0.1982.



This preview shows how white text looks on a background with the Yxy color 18.3419, 0.2437, 0.1982.

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

18.3419, 0.2437, 0.1982

Protanopia

18.4991, 0.2122, 0.1942

Deuteranopia

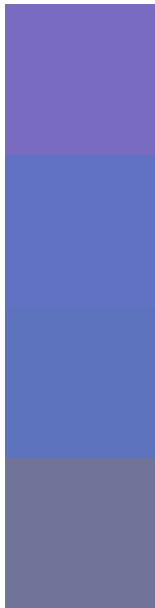
18.4868, 0.2159, 0.2112



Tritanopia

18.4122, 0.2864, 0.3114

Trichromacy



Original Color

18.3419, 0.2437, 0.1982

Protanomaly

18.3372, 0.2217, 0.1955

Deuteranomaly

18.3153, 0.2243, 0.2061

Tritanomaly

18.2025, 0.2693, 0.2637

Monochromacy



Original Color

18.3419, 0.2437, 0.1982

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.6311, 0.2853, 0.2751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3419, 0.2437, 0.1982 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, 107, 191)` looks like.

```
.text, #text, p{  
    color:rgb(121, 107, 191)  
}
```

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, 107, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 107, 191) }
```

Border

The CSS property to change the border of an element to Yxy 18.3419, 0.2437, 0.1982 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, 107, 191) }
```

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

```
.border{ border-color:rgb(121, 107, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 107, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 107, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 107, 191);  
box-shadow:4px 4px 4px 4px rgb(121, 107,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3419, 0.2437, 0.1982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 107, 191) }
```

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

```
.background{ background-color: rgb(121,  
107, 191) }
```

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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