

Converting Colors

$Y_{xy}(25.0143, 0.2213, 0.1848)$

Have a look what the booklet for
Yxy(25.0143, 0.2213, 0.1848)
contains.

Yxy(24.9839, 0.2211, 0.1848)	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(24.9839, 0.2211, 0.1848)

Conversions

Conversions Part 1

Format	Color
Hex	777FE9
RGB	119, 127, 233
RGB Percent	47%, 50%, 91%
CMY	0.5337, 0.5018, 0.0864
CMYK	0.49, 0.45, 0.00, 0.09
HSL	236°, 72%, 69%
HSV	236°, 49%, 91%
XYZ	29.8915, 24.9839, 80.3189
YIQ	136.6920, -38.7940, 31.2700

Conversions

Conversions Part 2

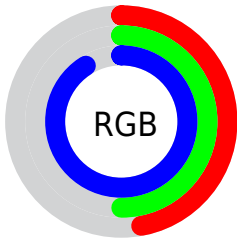
Format	Color
RYB	119, 126, 233
Decimal	7831529
CIELab	57.06, 25.11, -54.75
CIELCh	57, 60.229, 294.638
Yxy	24.9839, 0.2211, 0.1848
Android (android.graphics.Color)	4286021609 (0xFF777FE9)
YUV	136.6920, 47.4798, -15.5159
Hunter-Lab	49.9839, 19.2750, -60.2841

Details

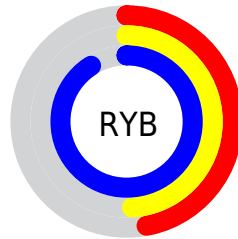
The Yxy color **24.9839, 0.2211, 0.1848** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **72.4121, 0.3884, 0.4409**, and the grayscale version is **24.7181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2096, 0.2586, 0.2424**, and **9.5529, 0.1923, 0.1474** is the 20% darker color. If you saturate the color by 10%, you get **18.5320, 0.2007, 0.1513**, and if you desaturate by 10%, it is **33.0413, 0.2421, 0.2186**.

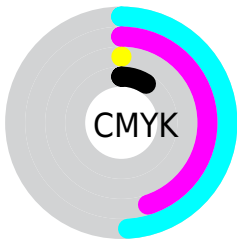
Distribution



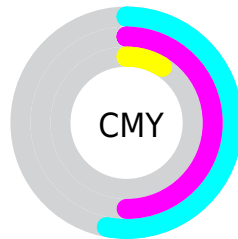
- Red (47%)
- Green (50%)
- Blue (91%)



- Red (47%)
- Yellow (49%)
- Blue (91%)



- Cyan (49%)
- Magenta (45%)
- Yellow (0%)
- Black (9%)



- Cyan (53%)
- Magenta (50%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9839, 0.2211, 0.1848 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 24.9839, 0.2211, 0.1848 by changing the saturation by 10% instead.

■ 24.9839, 0.2211,
0.1848

■ 24.9839, 0.2211,
0.1848

■ 277.7578, 0.2699,
0.2556

■ 16.0651, 0.2086,
0.1684

■ 51.6311, 0.2392,
0.2098

■ 9.5702, 0.1926,
0.1482

■ 70.1283, 0.2459,
0.2194

■ 5.1149, 0.1717,
0.1234

■ 92.5870, 0.2516,
0.2276

■ 2.3149, 0.1439,
0.0930

■ 119.3916, 0.2563,
0.2348

■ 0.7816, 0.1068,
0.0569

■ 150.9267, 0.2604,
0.2410

■ 0.0000, 0.0461,
0.0000

■ 187.5764, 0.2640,

■ 0.0000, 0.0000,

0.2464

0.0000

229.7253, 0.2671,
0.2513

■ 24.9839, 0.2211,
0.1848

■ 24.9839, 0.2211,
0.1848

■ 18.5320, 0.2007,
0.1513

■ 33.0413, 0.2421,
0.2186

■ 13.5754, 0.1823,
0.1204

■ 42.7992, 0.2625,
0.2510

■ 9.9942, 0.1674,
0.0945

■ 54.3485, 0.2815,
0.2808

■ 7.6487, 0.1570,
0.0755

■ 67.7726, 0.2988,
0.3077

■ 6.3583, 0.1514,
0.0643

■ 83.1498, 0.3142,
0.3313

■ 6.2710, 0.1510,
0.0636

■ 98.6618, 0.3256,
0.3503

Harmonies

Analogous

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



24.9839, 0.1667, 0.1851



24.9839, 0.2211, 0.1848



24.9839, 0.3101, 0.2112

Triad

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



24.9839, 0.2211, 0.1848



24.9839, 0.5108, 0.3922



24.9839, 0.2055, 0.4076

Complementary

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



24.9839, 0.2211, 0.1848



72.4121, 0.3884, 0.4409

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.



24.9839, 0.2881, 0.5042



24.9839, 0.2211, 0.1848



24.9839, 0.4643, 0.4632

Square

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



24.9839, 0.2211, 0.1848



24.9839, 0.4965, 0.3230



24.9839, 0.3823, 0.5161



24.9839, 0.1570, 0.2929

Rectangle

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



24.9839, 0.2211, 0.1848



24.9839, 0.3818, 0.2418



24.9839, 0.3823, 0.5161



24.9839, 0.2301, 0.4462

Sweetspot

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



24.9847, 0.2211, 0.1848



72.8464, 0.2885, 0.2917



67.5319, 0.2528, 0.3408



14.8681, 0.2847, 0.2858



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.



24.9847, 0.2211, 0.1848



22.5219, 0.2001, 0.1503



27.2051, 0.2565, 0.1880



14.7214, 0.2980, 0.3064



3.6239, 0.1513, 0.0646



0.3451, 0.1546, 0.0766

Inverse Universe

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



32.0225, 0.4402, 0.3203



32.5160, 0.4846, 0.3192



69.9631, 0.3489, 0.4643



15.0715, 0.3282, 0.3274



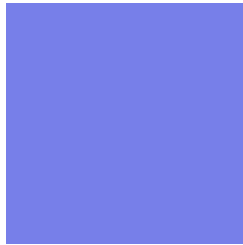
9.8586, 0.6323, 0.3257



0.7802, 0.6125, 0.3148

Previews

White Background



This preview shows how the Yxy color 24.9839, 0.2211, 0.1848 looks on a white background.

Color Contrast Check

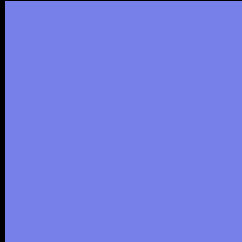
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9839, 0.2211, 0.1848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

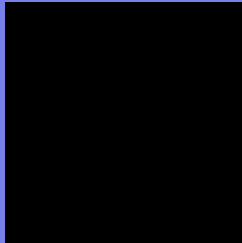
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9839, 0.2211, 0.1848

Background



This preview shows how black text looks on a background with the Yxy color 24.9839, 0.2211, 0.1848.



This preview shows how white text looks on a background with the Yxy color 24.9839, 0.2211, 0.1848.

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

24.9839, 0.2211, 0.1848

Protanopia

25.1309, 0.2032, 0.1818

Deuteranopia

25.2486, 0.1997, 0.1936



Tritanopia

24.8336, 0.2575, 0.3074

Trichromacy



Original Color

24.9839, 0.2211, 0.1848

Protanomaly

25.0563, 0.2089, 0.1827

Deuteranomaly

24.9511, 0.2057, 0.1893

Tritanomaly

24.5807, 0.2420, 0.2537

Monochromacy



Original Color

24.9839, 0.2211, 0.1848

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.4994, 0.2722, 0.2664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9839, 0.2211, 0.1848 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(119, 127, 233)` looks like.

```
.text, #text, p{  
    color:rgb(119, 127, 233)  
}
```

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(119, 127, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 127, 233) }
```

Border

The CSS property to change the border of an element to Yxy 24.9839, 0.2211, 0.1848 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(119, 127, 233) }
```

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

```
.border{ border-color:rgb(119, 127, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 127, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 127, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 127, 233);  
box-shadow:4px 4px 4px 4px rgb(119, 127,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9839, 0.2211, 0.1848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 127, 233) }
```

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

```
.background{ background-color: rgb(119,  
127, 233) }
```

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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