

Converting Colors

$Y_{xy}(25.2187, 0.2170, 0.1709)$

Have a look what the booklet for
Yxy(25.2187, 0.2170, 0.1709)
contains.

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Color

Yxy(25.2801, 0.2168, 0.1712)

Conversions

Conversions Part 1

Format	Color
Hex	7B7CF6
RGB	123, 124, 246
RGB Percent	48%, 49%, 96%
CMY	0.5175, 0.5138, 0.0353
CMYK	0.50, 0.50, 0.00, 0.04
HSL	240°, 87%, 72%
HSV	240°, 50%, 96%
XYZ	32.0136, 25.2801, 90.3705
YIQ	137.6090, -39.7580, 37.7300

Conversions

Conversions Part 2

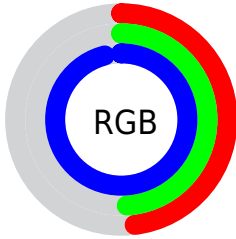
Format	Color
RYB	123, 124, 246
Decimal	8092918
CIELab	57.35, 31.73, -61.49
CIElCh	57, 69.198, 297.295
Yxy	25.2801, 0.2168, 0.1712
Android (android.graphics.Color)	4286282998 (0xFF7B7CF6)
YUV	137.6090, 53.4368, -12.8121
Hunter-Lab	50.2793, 25.6648, -71.3704

Details

The Yxy color **25.2801, 0.2168, 0.1712** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **86.3536, 0.3865, 0.4495**, and the grayscale version is **25.0670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6094, 0.2616, 0.2396**, and **9.6984, 0.1876, 0.1335** is the 20% darker color. If you saturate the color by 10%, you get **18.3092, 0.1960, 0.1368**, and if you desaturate by 10%, it is **34.2223, 0.2385, 0.2070**.

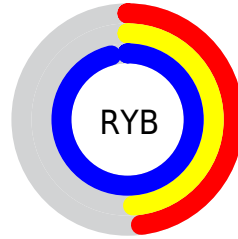
Distribution



Red (48%)

Green (49%)

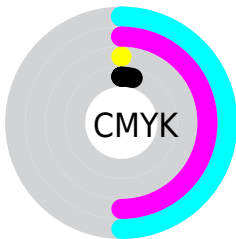
Blue (96%)



Red (48%)

Yellow (49%)

Blue (96%)

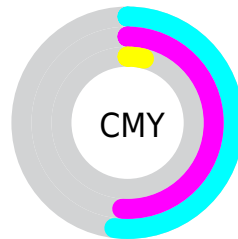


Cyan (50%)

Magenta (50%)

Yellow (0%)

Black (4%)



Cyan (52%)


Magenta (51%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2801, 0.2168, 0.1712 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 25.2801, 0.2168, 0.1712 by changing the saturation by 10% instead.


 25.2801, 0.2168,
0.1712


 25.2801, 0.2168,
0.1712


279.2300, 0.2676,
0.2467


 16.2859, 0.2040,
0.1543


 52.1113, 0.2355,
0.1973

 9.7267, 0.1878,
0.1341


 70.7170, 0.2425,
0.2075

 5.2181, 0.1669,
0.1097


 93.2953, 0.2484,
0.2164

 2.3758, 0.1397,
0.0808

120.2306, 0.2534,
0.2240

 0.8134, 0.1043,
0.0481

151.9074, 0.2577,
0.2307

 0.0000, 0.0569,
0.0000

188.7099, 0.2614,

 0.0000, 0.0000,

0.2367

0.0000

231.0227, 0.2647,
0.2420

■ 25.2801, 0.2168,
0.1712

■ 25.2801, 0.2168,
0.1712

■ 18.3092, 0.1960,
0.1368

■ 34.2223, 0.2385,
0.2070

■ 13.1585, 0.1776,
0.1064

■ 45.2668, 0.2596,
0.2418

■ 9.6592, 0.1634,
0.0827

■ 58.5360, 0.2793,
0.2742

■ 7.6098, 0.1544,
0.0675

■ 74.1424, 0.2971,
0.3033

■ 6.6956, 0.1501,
0.0604

■ 92.1909, 0.3127,
0.3291

■ 6.6940, 0.1501,
0.0603

■ 99.4331, 0.3179,
0.3376

Harmonies

Analogous

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



25.2801, 0.1549, 0.1681



25.2801, 0.2168, 0.1712



25.2801, 0.3191, 0.2022

Triad

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



25.2801, 0.2168, 0.1712



25.2801, 0.5316, 0.4000



25.2801, 0.1843, 0.4065

Complementary

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



25.2801, 0.2168, 0.1712



86.3536, 0.3865, 0.4495

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.



25.2801, 0.2721, 0.5273



25.2801, 0.2168, 0.1712



25.2801, 0.4709, 0.4804

Square

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



25.2801, 0.2168, 0.1712



25.2801, 0.5264, 0.3249



25.2801, 0.3762, 0.5436



25.2801, 0.1369, 0.2756

Rectangle

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



25.2801, 0.2168, 0.1712



25.2801, 0.4016, 0.2364



25.2801, 0.3762, 0.5436



25.2801, 0.2098, 0.4538

Sweetspot

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



25.2809, 0.2168, 0.1712



71.5815, 0.2884, 0.2890



76.6464, 0.2483, 0.3312



14.5689, 0.2846, 0.2828



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.



25.2809, 0.2168, 0.1712



19.7798, 0.1957, 0.1363



30.8335, 0.2617, 0.1871



15.9471, 0.2979, 0.3047



3.5825, 0.1501, 0.0605



0.3219, 0.1505, 0.0617

Inverse Universe

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



35.2237, 0.4543, 0.3284



31.7455, 0.5013, 0.3285



77.8455, 0.3438, 0.4702



16.4846, 0.3293, 0.3289



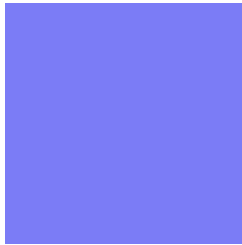
10.4610, 0.6393, 0.3295



0.9201, 0.6372, 0.3284

Previews

White Background



This preview shows how the Yxy color 25.2801, 0.2168, 0.1712 looks on a white background.

Color Contrast Check

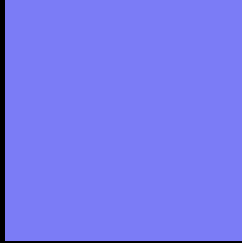
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2801, 0.2168, 0.1712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

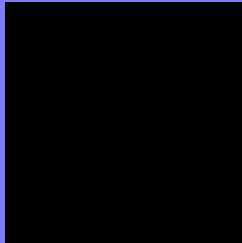
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2801, 0.2168, 0.1712

Background



This preview shows how black text looks on a background with the Yxy color 25.2801, 0.2168, 0.1712.

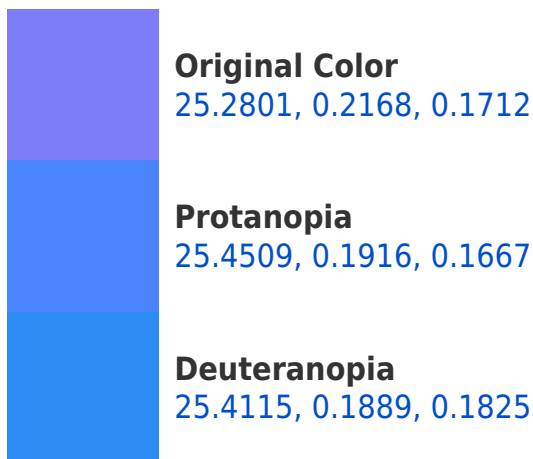


This preview shows how white text looks on a background with the Yxy color 25.2801, 0.2168, 0.1712.

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





Tritanopia

25.1719, 0.2570, 0.3075

Trichromacy



Original Color

25.2801, 0.2168, 0.1712

Protanomaly

25.2688, 0.1989, 0.1678

Deuteranomaly

24.9377, 0.1953, 0.1774

Tritanomaly

24.6296, 0.2399, 0.2455

Monochromacy



Original Color

25.2801, 0.2168, 0.1712

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.9359, 0.2709, 0.2598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2801, 0.2168, 0.1712 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(123, 124, 246)` looks like.

```
.text, #text, p{  
    color:rgb(123, 124, 246)  
}
```

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(123, 124, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 124, 246) }
```

Border

The CSS property to change the border of an element to Yxy 25.2801, 0.2168, 0.1712 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(123, 124, 246) }
```

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

```
.border{ border-color:rgb(123, 124, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 124, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 124, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 124, 246);  
box-shadow:4px 4px 4px 4px rgb(123, 124,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2801, 0.2168, 0.1712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 124, 246) }
```

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

```
.background{ background-color: rgb(123,  
124, 246) }
```

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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