

Converting Colors

$Y_{xy}(22.4091, 0.2072, 0.1581)$

Have a look what the booklet for
Yxy(22.4091, 0.2072, 0.1581)
contains.

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Color

Yxy(22.5241, 0.2074, 0.1587)

Conversions

Conversions Part 1

Format	Color
Hex	6F74F6
RGB	111, 116, 246
RGB Percent	44%, 45%, 96%
CMY	0.5646, 0.5451, 0.0354
CMYK	0.55, 0.53, 0.00, 0.04
HSL	238°, 88%, 70%
HSV	238°, 55%, 96%
XYZ	29.4360, 22.5241, 89.9687
YIQ	129.3250, -44.7100, 39.3700

Conversions

Conversions Part 2

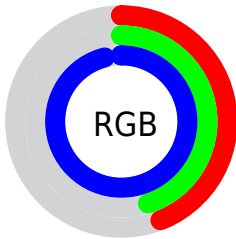
Format	Color
R _Y B	111, 116, 246
Decimal	7304438
CIE Lab	54.58, 34.07, -65.99
CIE LCh	55, 74.263, 297.306
Yxy	22.5241, 0.2074, 0.1587
Android (android.graphics.Color)	4285494518 (0xFF6F74F6)
YUV	129.3250, 57.5208, -16.0710
Hunter-Lab	47.4596, 27.6575, -79.1738

Details

The Yxy color **22.5241, 0.2074, 0.1587** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **83.6616, 0.3944, 0.4562**, and the grayscale version is **21.8819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8832, 0.2528, 0.2271**, and **8.3006, 0.1754, 0.1192** is the 20% darker color. If you saturate the color by 10%, you get **16.3589, 0.1877, 0.1261**, and if you desaturate by 10%, it is **30.5226, 0.2286, 0.1935**.

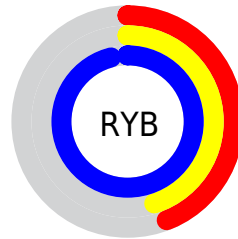
Distribution



Red (44%)

Green (45%)

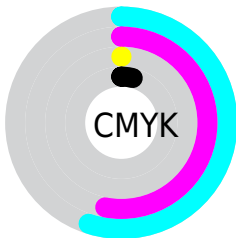
Blue (96%)



Red (44%)

Yellow (45%)

Blue (96%)

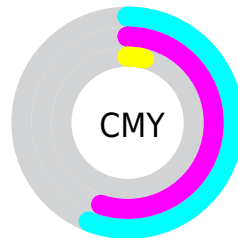


Cyan (55%)

Magenta (53%)

Yellow (0%)

Black (4%)



Cyan (56%)

Magenta (55%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5241, 0.2074, 0.1587 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 22.5241, 0.2074, 0.1587 by changing the saturation by 10% instead.

■ 22.5241, 0.2074,
0.1587

■ 22.5241, 0.2074,
0.1587

■ 265.2712, 0.2636,
0.2401

■ 14.2425, 0.1933,
0.1408

■ 47.6107, 0.2281,
0.1867

■ 8.2895, 0.1755,
0.1194

■ 65.1845, 0.2358,
0.1977

■ 4.2808, 0.1528,
0.0942

■ 86.6245, 0.2423,
0.2073

■ 1.8318, 0.1236,
0.0653

■ 112.3151, 0.2479,
0.2155

■ 0.5069, 0.0872,
0.0314

■ 142.6406, 0.2526,
0.2228

■ 0.0000, 0.0311,
0.0000

■ 177.9856, 0.2567,

■ 0.0000, 0.0000,

0.2292

0.0000

218.7343, 0.2604,
0.2350

■ 22.5241, 0.2074,
0.1587

■ 22.5241, 0.2074,
0.1587

■ 16.3589, 0.1877,
0.1261

■ 30.5226, 0.2286,
0.1935

■ 11.8799, 0.1712,
0.0982

■ 40.4820, 0.2498,
0.2281

■ 8.9207, 0.1592,
0.0774

■ 52.5207, 0.2701,
0.2608

■ 7.2800, 0.1523,
0.0650

■ 66.7473, 0.2887,
0.2907

■ 6.8488, 0.1505,
0.0616

■ 83.2627, 0.3054,
0.3173

99.4326, 0.3179,
0.3376

Harmonies

Analogous

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



22.5241, 0.1422, 0.1548



22.5241, 0.2074, 0.1587



22.5241, 0.3187, 0.1914

Triad

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



22.5241, 0.2074, 0.1587



22.5241, 0.5505, 0.3994



22.5241, 0.1706, 0.4152

Complementary

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



22.5241, 0.2074, 0.1587



83.6616, 0.3944, 0.4562

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.



22.5241, 0.2642, 0.5541



22.5241, 0.2074, 0.1587



22.5241, 0.4802, 0.4882

Square

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



22.5241, 0.2074, 0.1587



22.5241, 0.5491, 0.3206



22.5241, 0.3760, 0.5650



22.5241, 0.1221, 0.2674

Rectangle

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



22.5241, 0.2074, 0.1587



22.5241, 0.4107, 0.2277



22.5241, 0.3760, 0.5650



22.5241, 0.1976, 0.4701

Sweetspot

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



22.5248, 0.2074, 0.1587



70.5040, 0.2866, 0.2874



75.5275, 0.2459, 0.3369



14.3791, 0.2829, 0.2814



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.



22.5248, 0.2074, 0.1587



17.0402, 0.1854, 0.1222



26.7738, 0.2513, 0.1713



16.0242, 0.2979, 0.3054



3.7000, 0.1506, 0.0623



0.3589, 0.1522, 0.0680

Inverse Universe

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



32.2276, 0.4715, 0.3244



28.8162, 0.5244, 0.3243



77.3944, 0.3486, 0.4827



16.4924, 0.3288, 0.3282



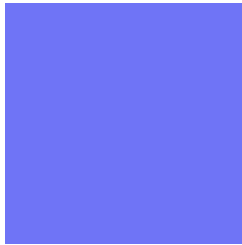
10.4729, 0.6362, 0.3279



0.9239, 0.6266, 0.3226

Previews

White Background



This preview shows how the Yxy color 22.5241, 0.2074, 0.1587 looks on a white background.

Color Contrast Check

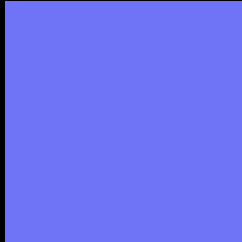
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5241, 0.2074, 0.1587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

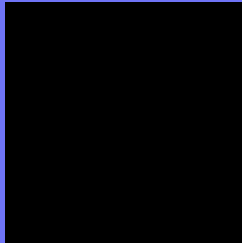
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5241, 0.2074, 0.1587

Background



This preview shows how black text looks on a background with the Yxy color 22.5241, 0.2074, 0.1587.



This preview shows how white text looks on a background with the Yxy color 22.5241, 0.2074, 0.1587.

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

22.5241, 0.2074, 0.1587

Protanopia

22.8198, 0.1822, 0.1550

Deuteranopia

22.6582, 0.1833, 0.1798



Tritanopia

22.5683, 0.2460, 0.3080

Trichromacy



Original Color

22.5241, 0.2074, 0.1587

Protanomaly

22.3251, 0.1883, 0.1545

Deuteranomaly

21.8029, 0.1845, 0.1683

Tritanomaly

21.9016, 0.2279, 0.2366

Monochromacy



Original Color

22.5241, 0.2074, 0.1587

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.5314, 0.2631, 0.2498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5241, 0.2074, 0.1587 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(111, 116, 246)` looks like.

```
.text, #text, p{  
    color:rgb(111, 116, 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(111, 116, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 116, 246) }
```

Border

The CSS property to change the border of an element to Yxy 22.5241, 0.2074, 0.1587 is called "border". The border property can be set on classes, ids or directly on the HTML element.

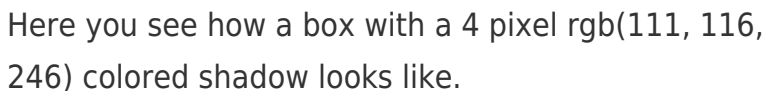
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 116, 246) }
```

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

```
.border{ border-color:rgb(111, 116, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(111, 116, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 116, 246); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 116, 246); box-shadow:4px 4px 4px 4px rgb(111, 116, 246) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5241, 0.2074, 0.1587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 116, 246) }
```

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

```
.background{ background-color: rgb(111,  
116, 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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