

Converting Colors

$Y_{xy}(22.3783, 0.2594, 0.2491)$

Have a look what the booklet for
Yxy(22.3783, 0.2594, 0.2491)
contains.

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Color

Yxy(22.3783, 0.2594, 0.2491)

Conversions

Conversions Part 1

Format	Color
Hex	797FB0
RGB	121, 127, 176
RGB Percent	47%, 50%, 69%
CMY	0.5257, 0.5019, 0.3099
CMYK	0.31, 0.28, 0.00, 0.31
HSL	233°, 26%, 58%
HSV	233°, 31%, 69%
XYZ	23.3036, 22.3783, 44.1547
YIQ	130.7920, -19.3050, 13.9670

Conversions

Conversions Part 2

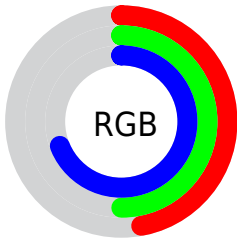
Format	Color
R _{YB}	121, 126, 176
Decimal	7962544
CIE _{Lab}	54.43, 9.38, -26.61
CIE _{LCh}	54, 28.218, 289.420
Y _{xy}	22.3783, 0.2594, 0.2491
Android (android.graphics.Color)	4286152624 (0xFF797FB0)
Y _{UV}	130.7920, 22.2875, -8.5876
Hunter-Lab	47.3057, 5.1472, -22.2267

Details

The Yxy color $22.3783, 0.2594, 0.2491$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $39.3211, 0.3614, 0.3980$, and the grayscale version is $22.5408, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.5827, 0.2711, 0.2657$, and $8.1809, 0.2394, 0.2220$ is the 20% darker color. If you saturate the color by 10%, you get $17.4869, 0.2396, 0.2183$, and if you desaturate by 10%, it is $28.1318, 0.2781, 0.2777$.

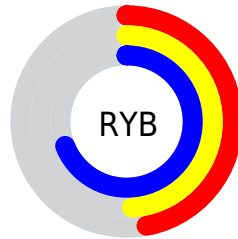
Distribution



Red (47%)

Green (50%)

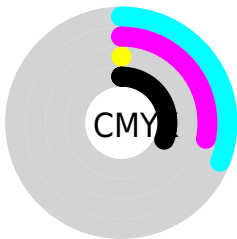
Blue (69%)



Red (47%)

Yellow (49%)

Blue (69%)

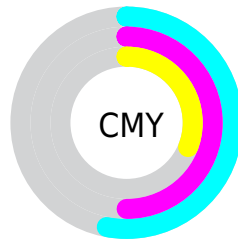


Cyan (31%)

Magenta (28%)

Yellow (0%)

Black (31%)



Cyan (53%)

Magenta (50%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3783, 0.2594, 0.2491 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 22.3783, 0.2594, 0.2491 by changing the saturation by 10% instead.

■ 22.3783, 0.2594,
0.2491

■ 22.3783, 0.2594,
0.2491

■ 264.5155, 0.2890,
0.2921

■ 14.1351, 0.2510,
0.2374

■ 47.3705, 0.2709,
0.2654

■ 8.2147, 0.2395,
0.2220

■ 64.8882, 0.2750,
0.2713

■ 4.2326, 0.2231,
0.2006

■ 86.2663, 0.2784,
0.2762

■ 1.8045, 0.1983,
0.1695

■ 111.8892, 0.2812,
0.2804

■ 0.4900, 0.1578,
0.1113

■ 142.1411, 0.2836,
0.2839

■ 0.0000, 0.0000,
0.0000

177.4065, 0.2857,

0.2870

218.0699, 0.2875,
0.2897

■ 22.3783, 0.2594,
0.2491

■ 22.3783, 0.2594,
0.2491

■ 17.4869, 0.2396,
0.2183

■ 28.1318, 0.2781,
0.2777

■ 13.4133, 0.2194,
0.1862

■ 34.7834, 0.2953,
0.3034

■ 10.1135, 0.1999,
0.1543

■ 42.3704, 0.3109,
0.3263

■ 7.5380, 0.1823,
0.1246

■ 50.9271, 0.3247,
0.3463

■ 5.6316, 0.1680,
0.0991

■ 60.4861, 0.3369,
0.3637

■ 4.3310, 0.1579,
0.0797

■ 71.0785, 0.3475,
0.3788

■ 3.6140, 0.1523,
0.0682

■ 82.7341, 0.3569,
0.3918

■ 94.1822, 0.3604,
0.4043

■ 95.9138, 0.3597,
0.4067

Harmonies

Analogous

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



22.3783, 0.2302, 0.2550



22.3783, 0.2594, 0.2491



22.3783, 0.3047, 0.2613

Triad

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



22.3783, 0.2594, 0.2491



22.3783, 0.4135, 0.3648



22.3783, 0.2672, 0.3748

Complementary

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



22.3783, 0.2594, 0.2491



39.3211, 0.3614, 0.3980

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.



22.3783, 0.3141, 0.4117



22.3783, 0.2594, 0.2491



22.3783, 0.4000, 0.4000

Square

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



22.3783, 0.2594, 0.2491



22.3783, 0.3973, 0.3248



22.3783, 0.3629, 0.4196



22.3783, 0.2341, 0.3244

Rectangle

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



22.3783, 0.2594, 0.2491



22.3783, 0.3392, 0.2779



22.3783, 0.3629, 0.4196



22.3783, 0.2818, 0.3896

Sweetspot

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



22.3792, 0.2594, 0.2491



65.8684, 0.2988, 0.3085



37.9896, 0.2730, 0.3388



13.8687, 0.2965, 0.3051



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



22.3792, 0.2594, 0.2491



33.8906, 0.2448, 0.2265



22.5503, 0.2794, 0.2440



8.3762, 0.2985, 0.3081



2.6973, 0.1526, 0.0692



0.1335, 0.1617, 0.1021

Inverse Universe

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



24.4226, 0.3744, 0.3202



38.4370, 0.3959, 0.3180



39.3791, 0.3389, 0.4110



8.5200, 0.3270, 0.3265



6.8124, 0.6246, 0.3215



0.2193, 0.5728, 0.2929

Previews

White Background



This preview shows how the Yxy color 22.3783, 0.2594, 0.2491 looks on a white background.

Color Contrast Check

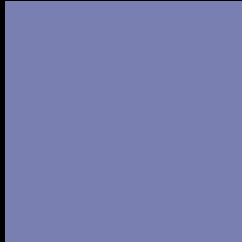
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3783, 0.2594, 0.2491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

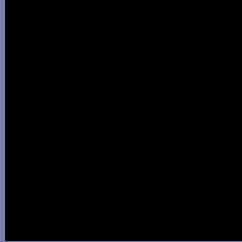
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3783, 0.2594, 0.2491

Background



This preview shows how black text looks on a background with the Yxy color 22.3783, 0.2594, 0.2491.



This preview shows how white text looks on a background with the Yxy color 22.3783, 0.2594, 0.2491.

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

22.3783, 0.2594, 0.2491

Protanopia

22.3257, 0.2543, 0.2484

Deuteranopia

22.3548, 0.2560, 0.2500



Tritanopia

22.3661, 0.2814, 0.3091

Trichromacy



Original Color

22.3783, 0.2594, 0.2491

Protanomaly

22.4642, 0.2561, 0.2488

Deuteranomaly

22.4245, 0.2569, 0.2502

Tritanomaly

22.4148, 0.2732, 0.2855

Monochromacy



Original Color

22.3783, 0.2594, 0.2491

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.5839, 0.2918, 0.2996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3783, 0.2594, 0.2491 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, 127, 176)` looks like.

```
.text, #text, p{  
    color:rgb(121, 127, 176)  
}
```

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, 127, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 127, 176) }
```

Border

The CSS property to change the border of an element to Yxy 22.3783, 0.2594, 0.2491 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, 127, 176) }
```

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

```
.border{ border-color:rgb(121, 127, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 127, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 127, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 127, 176); box-shadow:4px 4px 4px 4px rgb(121, 127, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3783, 0.2594, 0.2491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 127, 176) }
```

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

```
.background{ background-color: rgb(121,  
127, 176) }
```

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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