

Converting Colors

$Yxy(22.3634, 0.2588, 0.2398)$

Have a look what the booklet for
Yxy(22.3634, 0.2588, 0.2398)
contains.

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Color

Yxy(22.3634, 0.2588, 0.2398)

Conversions

Conversions Part 1

Format	Color
Hex	7D7DB5
RGB	125, 125, 181
RGB Percent	49%, 49%, 71%
CMY	0.5097, 0.5098, 0.2902
CMYK	0.31, 0.31, 0.00, 0.29
HSL	240°, 27%, 60%
HSV	240°, 31%, 71%
XYZ	24.1353, 22.3634, 46.7598
YIQ	131.3840, -17.9760, 17.4160

Conversions

Conversions Part 2

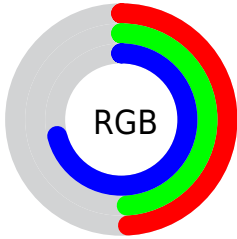
Format	Color
R_{YB}	125, 125, 181
Decimal	8224181
CIE _{Lab}	54.41, 13.13, -29.50
CIE _{LCh}	54, 32.285, 293.995
Yxy	22.3634, 0.2588, 0.2398
Android (android.graphics.Color)	4286414261 (0xFF7D7DB5)
YUV	131.3840, 24.4607, -5.5988
Hunter-Lab	47.2900, 8.3434, -25.5224

Details

The Yxy color $22.3634, 0.2588, 0.2398$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $44.3461, 0.3586, 0.4050$, and the grayscale version is $22.7593, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.5389, 0.2706, 0.2584$, and $8.1832, 0.2386, 0.2098$ is the 20% darker color. If you saturate the color by 10%, you get $16.9520, 0.2380, 0.2054$, and if you desaturate by 10%, it is $28.8594, 0.2782, 0.2720$.

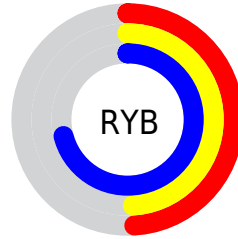
Distribution



Red (49%)

Green (49%)

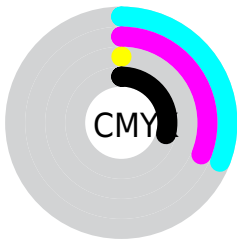
Blue (71%)



Red (49%)

Yellow (49%)

Blue (71%)

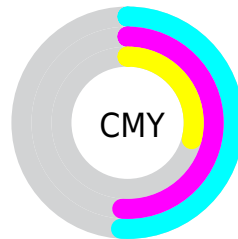


Cyan (31%)

Magenta (31%)

Yellow (0%)

Black (29%)



Cyan (51%)

Magenta (51%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3634, 0.2588, 0.2398 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 22.3634, 0.2588, 0.2398 by changing the saturation by 10% instead.

■ 22.3634, 0.2588,
0.2398

■ 22.3634, 0.2588,
0.2398

264.4382, 0.2889,
0.2872

■ 14.1242, 0.2502,
0.2272

■ 47.3459, 0.2705,
0.2577

■ 8.2071, 0.2386,
0.2106

■ 64.8579, 0.2747,
0.2642

■ 4.2277, 0.2221,
0.1879

■ 86.2297, 0.2781,
0.2696

■ 1.8018, 0.1972,
0.1558

111.8456, 0.2809,
0.2742

■ 0.4883, 0.1583,
0.0985

142.0900, 0.2834,
0.2782

■ 0.0000, 0.0000,
0.0000

177.3473, 0.2855,

0.2816

218.0019, 0.2873,
0.2846

■ 22.3634, 0.2588,
0.2398

■ 22.3634, 0.2588,
0.2398

■ 16.9520, 0.2380,
0.2054

■ 28.8594, 0.2782,
0.2720

■ 12.5637, 0.2167,
0.1701

■ 36.4918, 0.2958,
0.3010

■ 9.1350, 0.1961,
0.1362

■ 45.3122, 0.3114,
0.3267

■ 6.5941, 0.1780,
0.1063

■ 55.3684, 0.3249,
0.3492

■ 4.8592, 0.1639,
0.0829

■ 66.7053, 0.3366,
0.3685

■ 3.8334, 0.1547,
0.0677

■ 79.3657, 0.3466,
0.3851

■ 3.3371, 0.1500,
0.0600

■ 93.3906, 0.3553,
0.3994

■ 96.1162, 0.3567,
0.4018

Harmonies

Analogous

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



22.3634, 0.2231, 0.2427



22.3634, 0.2588, 0.2398



22.3634, 0.3121, 0.2563

Triad

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



22.3634, 0.2588, 0.2398



22.3634, 0.4276, 0.3750



22.3634, 0.2536, 0.3731

Complementary

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



22.3634, 0.2588, 0.2398



44.3461, 0.3586, 0.4050

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.



22.3634, 0.3049, 0.4203



22.3634, 0.2588, 0.2398



22.3634, 0.4067, 0.4139

Square

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



22.3634, 0.2588, 0.2398



22.3634, 0.4146, 0.3303



22.3634, 0.3612, 0.4339



22.3634, 0.2199, 0.3144

Rectangle

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



22.3634, 0.2588, 0.2398



22.3634, 0.3517, 0.2763



22.3634, 0.3612, 0.4339



22.3634, 0.2692, 0.3915

Sweetspot

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



22.3643, 0.2588, 0.2398



68.0300, 0.2988, 0.3059



40.7431, 0.2690, 0.3289



14.2397, 0.2964, 0.3020



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



22.3643, 0.2588, 0.2398



33.3753, 0.2450, 0.2170



24.7733, 0.2865, 0.2463



8.2305, 0.2985, 0.3055



2.3007, 0.1500, 0.0600



0.0725, 0.1502, 0.0601

Inverse Universe

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



27.8232, 0.3163, 0.2534



44.6816, 0.3171, 0.2376



41.2999, 0.3327, 0.4119



8.6466, 0.3138, 0.3066



9.0681, 0.3211, 0.1543



0.2854, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 22.3634, 0.2588, 0.2398 looks on a white background.

Color Contrast Check

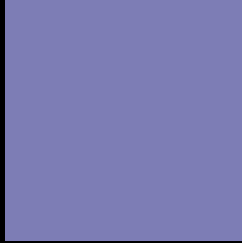
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3634, 0.2588, 0.2398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

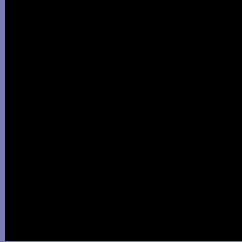
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3634, 0.2588, 0.2398

Background



This preview shows how black text looks on a background with the Yxy color 22.3634, 0.2588, 0.2398.

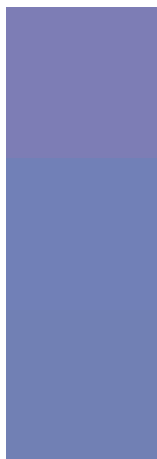


This preview shows how white text looks on a background with the Yxy color 22.3634, 0.2588, 0.2398.

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

22.3634, 0.2588, 0.2398

Protanopia

22.3680, 0.2472, 0.2396

Deuteranopia

22.2443, 0.2494, 0.2437



Tritanopia

22.2676, 0.2853, 0.3092

Trichromacy



Original Color

22.3634, 0.2588, 0.2398

Protanomaly

22.3381, 0.2512, 0.2401

Deuteranomaly

22.2559, 0.2527, 0.2428

Tritanomaly

22.1279, 0.2750, 0.2807

Monochromacy



Original Color

22.3634, 0.2588, 0.2398

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.5376, 0.2920, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3634, 0.2588, 0.2398 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(125, 125, 181)` looks like.

```
.text, #text, p{  
    color:rgb(125, 125, 181)  
}
```

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(125, 125, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 125, 181) }
```

Border

The CSS property to change the border of an element to Yxy 22.3634, 0.2588, 0.2398 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(125, 125, 181) }
```

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

```
.border{ border-color:rgb(125, 125, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 125, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 125, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 125, 181);  
box-shadow:4px 4px 4px 4px rgb(125, 125,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3634, 0.2588, 0.2398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 125, 181) }
```

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

```
.background{ background-color: rgb(125,  
125, 181) }
```

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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