

Converting Colors

$Y_{xy}(22.4242, 0.3584, 0.4292)$

Have a look what the booklet for
Yxy(22.4242, 0.3584, 0.4292)
contains.

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Color

Yxy(22.2820, 0.3579, 0.4286)

Conversions

Conversions Part 1

Format	Color
Hex	7D8751
RGB	125, 135, 81
RGB Percent	49%, 53%, 32%
CMY	0.5098, 0.4706, 0.6825
CMYK	0.07, 0.00, 0.40, 0.47
HSL	71°, 25%, 42%
HSV	71°, 40%, 53%
XYZ	18.6065, 22.2820, 11.0994
YIQ	125.8540, 11.3740, -18.9140

Conversions

Conversions Part 2

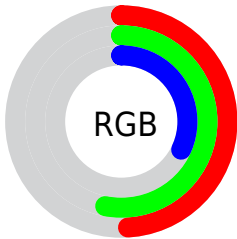
Format	Color
RYB	81, 135, 91
Decimal	8226641
CIELab	54.32, -12.80, 27.82
CIElCh	54, 30.627, 114.712
Yxy	22.2820, 0.3579, 0.4286
Android (android.graphics.Color)	4286416721 (0xFF7D8751)
YUV	125.8540, -22.1130, -0.7490
Hunter-Lab	47.2038, -12.2468, 19.1013

Details

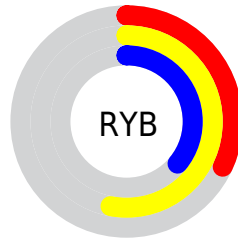
The Yxy color $22.2820, 0.3579, 0.4286$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $9.8531, 0.2544, 0.2156$, and the grayscale version is $20.8855, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.0701, 0.3488, 0.4060$, and $8.1142, 0.3712, 0.4668$ is the 20% darker color. If you saturate the color by 10%, you get $21.9146, 0.3677, 0.4529$, and if you desaturate by 10%, it is $22.6964, 0.3471, 0.4033$.

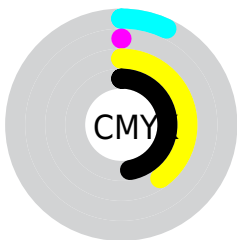
Distribution



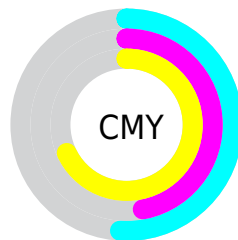
- Red (49%)
- Green (53%)
- Blue (32%)



- Red (32%)
- Yellow (53%)
- Blue (36%)



- Cyan (7%)
- Magenta (0%)
- Yellow (40%)
- Black (47%)





- Cyan (51%)
- Magenta (47%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2820, 0.3579, 0.4286 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 22.2820, 0.3579, 0.4286 by changing the saturation by 10% instead.


 22.2820, 0.3579,
0.4286


 22.2820, 0.3579,
0.4286


264.0154, 0.3340,
0.3717


 14.0643, 0.3639,
0.4455


 47.2116, 0.3491,
0.4060


 8.1654, 0.3712,
0.4688


 64.6923, 0.3458,
0.3981


 4.2009, 0.3796,
0.5024

 86.0295, 0.3430,
0.3917

 1.7866, 0.4109,
0.5891

 111.6074, 0.3406,
0.3863

 0.4788, 0.2294,
0.7706

 141.8106, 0.3386,
0.3818

 0.0000, 0.0000,
0.0000

177.0234, 0.3369,

0.3779

217.6302, 0.3353,
0.3746

■ 22.2820, 0.3579,
0.4286

■ 22.2820, 0.3579,
0.4286

■ 21.9146, 0.3677,
0.4529

■ 22.6964, 0.3471,
0.4033

■ 21.5888, 0.3760,
0.4753

■ 23.1570, 0.3357,
0.3778

■ 21.3028, 0.3823,
0.4948

■ 23.6670, 0.3241,
0.3529


■ 21.0537, 0.3863,
0.5104

■ 24.2282, 0.3127,
0.3290

■ 20.8379, 0.3879,
0.5219

■ 24.8425, 0.3018,
0.3067

 20.6453, 0.3878,
0.5303

 25.5116, 0.2913,
0.2859

 26.2372, 0.2816,
0.2668

 27.0209, 0.2725,
0.2494

 27.8641, 0.2642,
0.2336

Harmonies

Analogous

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



22.2820, 0.4015, 0.4109



22.2820, 0.3579, 0.4286



22.2820, 0.3043, 0.4145

Triad

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



22.2820, 0.3579, 0.4286



22.2820, 0.2142, 0.2700



22.2820, 0.3690, 0.2912

Complementary

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



22.2820, 0.3579, 0.4286



9.8531, 0.2544, 0.2156

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.



22.2820, 0.3136, 0.2601



22.2820, 0.3579, 0.4286



22.2820, 0.2277, 0.2464

Square

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



22.2820, 0.3579, 0.4286



22.2820, 0.2237, 0.3141



22.2820, 0.2625, 0.2439



22.2820, 0.4101, 0.3316

Rectangle

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



22.2820, 0.3579, 0.4286



22.2820, 0.2704, 0.3870



22.2820, 0.2625, 0.2439



22.2820, 0.3512, 0.2795

Sweetspot

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



22.2830, 0.3579, 0.4286



42.1677, 0.3267, 0.3584



13.2065, 0.4008, 0.3481



9.7421, 0.3280, 0.3611



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



22.2830, 0.3579, 0.4286



39.3018, 0.3668, 0.4507



20.5239, 0.3257, 0.4399



5.3807, 0.3231, 0.3506



19.0419, 0.3879, 0.5302



0.0688, 0.4040, 0.5174

Inverse Universe

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



9.8531, 0.2544, 0.2156



13.8328, 0.2381, 0.1861



11.4745, 0.2919, 0.2267



4.5830, 0.3018, 0.3068



1.8080, 0.1606, 0.0658



0.0086, 0.1942, 0.0843

Previews

White Background



This preview shows how the Yxy color 22.2820, 0.3579, 0.4286 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 22.2820, 0.3579, 0.4286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

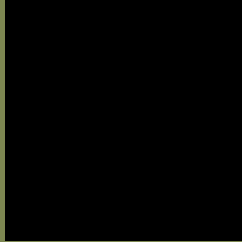
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

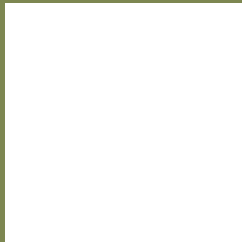
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.2820, 0.3579, 0.4286

Background



This preview shows how black text looks on a background with the Yxy color 22.2820, 0.3579, 0.4286.



This preview shows how white text looks on a background with the Yxy color 22.2820, 0.3579, 0.4286.

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

22.2820, 0.3579, 0.4286

Protanopia

22.2806, 0.3845, 0.4169

Deuteranopia

22.1078, 0.4025, 0.3958



Tritanopia

22.1789, 0.3066, 0.3116

Trichromacy



Original Color

22.2820, 0.3579, 0.4286

Protanomaly

22.3160, 0.3744, 0.4209

Deuteranomaly

22.0673, 0.3865, 0.4077

Tritanomaly

22.1841, 0.3256, 0.3544

Monochromacy



Original Color

22.2820, 0.3579, 0.4286

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.2619, 0.3301, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2820, 0.3579, 0.4286 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, 135, 81)` looks like.

```
.text, #text, p{  
    color:rgb(125, 135, 81)  
}
```

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, 135, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 135, 81) }
```

Border

The CSS property to change the border of an element to Yxy 22.2820, 0.3579, 0.4286 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, 135, 81) }
```

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

```
.border{ border-color:rgb(125, 135, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 135, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 135, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 135, 81);  
box-shadow:4px 4px 4px 4px rgb(125, 135,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2820, 0.3579, 0.4286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 135, 81) }
```

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

```
.background{ background-color: rgb(125,  
135, 81) }
```

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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