

Converting Colors

$Y_{xy}(22.8975, 0.3201, 0.4443)$

Have a look what the booklet for
Yxy(22.8975, 0.3201, 0.4443)
contains.

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Color

Yxy(22.8975, 0.3201, 0.4443)

Conversions

Conversions Part 1

Format	Color
Hex	628F55
RGB	98, 143, 85
RGB Percent	38%, 56%, 33%
CMY	0.6158, 0.4392, 0.6667
CMYK	0.31, 0.00, 0.41, 0.44
HSL	107°, 25%, 45%
HSV	107°, 41%, 56%
XYZ	16.4967, 22.8975, 12.1419
YIQ	122.9330, -8.2020, -27.5780

Conversions

Conversions Part 2

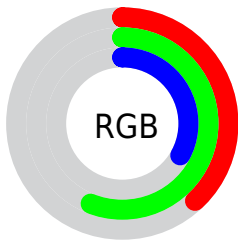
Format	Color
RYB	85, 143, 130
Decimal	6459221
CIELab	54.97, -26.99, 26.09
CIElCh	55, 37.536, 135.966
Yxy	22.8975, 0.3201, 0.4443
Android (android.graphics.Color)	4284649301 (0xFF628F55)
YUV	122.9330, -18.7010, -21.8662
Hunter-Lab	47.8513, -22.2021, 18.4515

Details

The Yxy color $22.8975, 0.3201, 0.4443$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.2264, 0.2989, 0.2270$, and the grayscale version is $19.8473, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.1658, 0.3200, 0.4175$, and $8.4226, 0.3175, 0.4956$ is the 20% darker color. If you saturate the color by 10%, you get $22.1187, 0.3206, 0.4769$, and if you desaturate by 10%, it is $23.8099, 0.3189, 0.4125$.

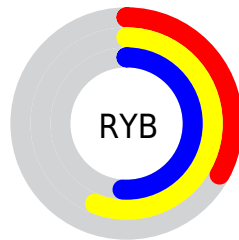
Distribution



Red (38%)

Green (56%)

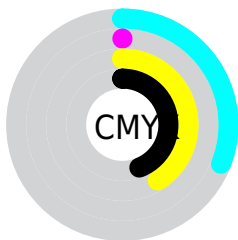
Blue (33%)



Red (33%)

Yellow (56%)

Blue (51%)

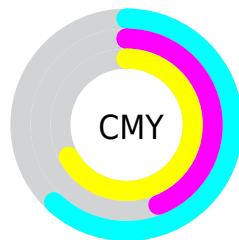


Cyan (31%)

Magenta (0%)

Yellow (41%)

Black (44%)



Cyan (62%)

Magenta (44%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8975, 0.3201, 0.4443 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 22.8975, 0.3201, 0.4443 by changing the saturation by 10% instead.


 22.8975, 0.3201,
0.4443


 22.8975, 0.3201,
0.4443


267.1981, 0.3180,
0.3769


 14.5178, 0.3195,
0.4653


 48.2250, 0.3200,
0.4170

 8.4817, 0.3176,
0.4951


 65.9416, 0.3197,
0.4076


 4.4047, 0.3122,
0.5403

 87.5393, 0.3194,
0.4000

 1.9024, 0.3255,
0.6745

 113.4025, 0.3191,
0.3938

 0.5498, 0.0000,
1.0000

 143.9155, 0.3188,
0.3885

 0.0000, 0.0000,
0.0000

179.4629, 0.3185,

0.3840

220.4290, 0.3182,
0.3802

■ 22.8975, 0.3201,
0.4443

■ 22.8975, 0.3201,
0.4443

■ 22.1187, 0.3206,
0.4769

■ 23.8099, 0.3189,
0.4125

■ 21.4641, 0.3202,
0.5087

■ 24.8587, 0.3172,
0.3826

■ 20.9280, 0.3187,
0.5378

■ 26.0505, 0.3151,
0.3551


■ 20.5029, 0.3162,
0.5622

■ 27.3903, 0.3128,
0.3303

■ 20.1801, 0.3127,
0.5803

■ 28.8832, 0.3105,
0.3083

 19.9547, 0.3094,
0.5925

 30.5338, 0.3082,
0.2888

 32.3467, 0.3060,
0.2717

 34.3260, 0.3038,
0.2567

 36.4760, 0.3017,
0.2436

Harmonies

Analogous

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



22.8975, 0.3829, 0.4466



22.8975, 0.3201, 0.4443



22.8975, 0.2586, 0.3979

Triad

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



22.8975, 0.3201, 0.4443



22.8975, 0.2044, 0.2355



22.8975, 0.4198, 0.3161

Complementary

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



22.8975, 0.3201, 0.4443



13.2264, 0.2989, 0.2270

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.



22.8975, 0.3617, 0.2716



22.8975, 0.3201, 0.4443



22.8975, 0.2379, 0.2265

Square

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



22.8975, 0.3201, 0.4443



22.8975, 0.1962, 0.2697



22.8975, 0.2938, 0.2398



22.8975, 0.4450, 0.3662

Rectangle

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



22.8975, 0.3201, 0.4443



22.8975, 0.2265, 0.3522



22.8975, 0.2938, 0.2398



22.8975, 0.4031, 0.3002

Sweetspot

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



22.8985, 0.3201, 0.4443



46.2688, 0.3155, 0.3595



22.3209, 0.3796, 0.4058



10.5533, 0.3157, 0.3626



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.8985, 0.3201, 0.4443



39.6748, 0.3206, 0.4751



22.5074, 0.2939, 0.4162



6.0840, 0.3148, 0.3515



17.6496, 0.3097, 0.5923



0.1771, 0.3367, 0.5709

Inverse Universe

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



13.2264, 0.2989, 0.2270



19.8029, 0.2943, 0.2035



13.8820, 0.3397, 0.2557



5.4510, 0.3104, 0.3071



4.7508, 0.2662, 0.1240



0.0551, 0.2939, 0.1393

Previews

White Background



This preview shows how the Yxy color 22.8975, 0.3201, 0.4443 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 22.8975, 0.3201, 0.4443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

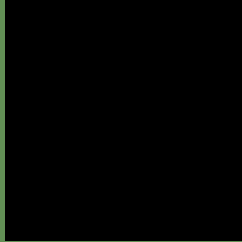
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8975, 0.3201, 0.4443

Background



This preview shows how black text looks on a background with the Yxy color 22.8975, 0.3201, 0.4443.



This preview shows how white text looks on a background with the Yxy color 22.8975, 0.3201, 0.4443.

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

22.8975, 0.3201, 0.4443

Protanopia

22.6514, 0.3840, 0.4164

Deuteranopia

22.5566, 0.3960, 0.3876



Tritanopia

22.9030, 0.2733, 0.3090

Trichromacy



Original Color

22.8975, 0.3201, 0.4443

Protanomaly

22.4492, 0.3593, 0.4259

Deuteranomaly

22.4413, 0.3659, 0.4072

Tritanomaly

22.8635, 0.2906, 0.3575

Monochromacy



Original Color

22.8975, 0.3201, 0.4443

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.6468, 0.3166, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8975, 0.3201, 0.4443 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(98, 143, 85)` looks like.

```
.text, #text, p{  
    color:rgb(98, 143, 85)  
}
```

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(98, 143, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 143, 85) }
```

Border

The CSS property to change the border of an element to Yxy 22.8975, 0.3201, 0.4443 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(98, 143, 85) }
```

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

```
.border{ border-color:rgb(98, 143, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 143, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 143, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 143, 85);  
box-shadow:4px 4px 4px 4px rgb(98, 143,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8975, 0.3201, 0.4443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 143, 85) }
```

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

```
.background{ background-color: rgb(98, 143,  
85) }
```

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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