

Converting Colors

$Yxy(23.3024, 0.2990, 0.3977)$

Have a look what the booklet for
Yxy(23.3024, 0.2990, 0.3977)
contains.

Yxy(23.3243, 0.2995, 0.3977)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.3243, 0.2995, 0.3977)

Conversions

Conversions Part 1

Format	Color
Hex	628F6C
RGB	98, 143, 108
RGB Percent	38%, 56%, 42%
CMY	0.6157, 0.4392, 0.5765
CMYK	0.31, 0.00, 0.24, 0.44
HSL	133°, 19%, 47%
HSV	133°, 31%, 56%
XYZ	17.5651, 23.3243, 17.7586
YIQ	125.5550, -15.5850, -20.4250

Conversions

Conversions Part 2

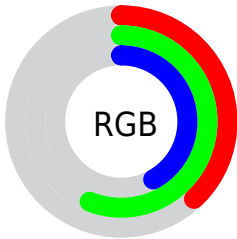
Format	Color
R_{YB}	98, 135, 143
Decimal	6459244
CIE _{Lab}	55.40, -22.98, 13.84
CIE _{LCh}	55, 26.824, 148.942
Yxy	23.3243, 0.2995, 0.3977
Android (android.graphics.Color)	4284649324 (0xFF628F6C)
YUV	125.5550, -8.6546, -24.1657
Hunter-Lab	48.2952, -19.5959, 12.0052

Details

The Yxy color $23.3243, 0.2995, 0.3977$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.2686, 0.3295, 0.2690$, and the grayscale version is $20.7387, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.9546, 0.3026, 0.3810$, and $8.6335, 0.2929, 0.4280$ is the 20% darker color. If you saturate the color by 10%, you get $22.3777, 0.2958, 0.4242$, and if you desaturate by 10%, it is $24.4453, 0.3036, 0.3733$.

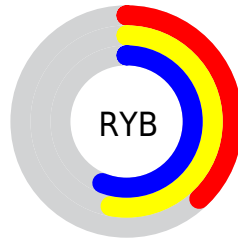
Distribution



Red (38%)

Green (56%)

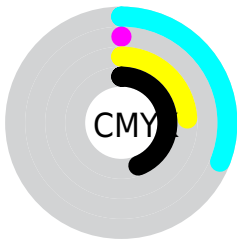
Blue (42%)



Red (38%)

Yellow (53%)

Blue (56%)

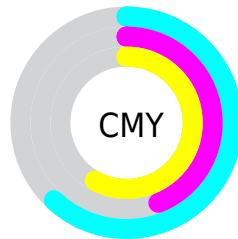


Cyan (31%)

Magenta (0%)

Yellow (24%)

Black (44%)



Cyan (62%)


Magenta (44%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3243, 0.2995, 0.3977 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 23.3243, 0.2995, 0.3977 by changing the saturation by 10% instead.


 23.3243, 0.2995,
0.3977


 23.3243, 0.2995,
0.3977


269.3863, 0.3076,
0.3579


 14.8332, 0.2968,
0.4100


 48.9253, 0.3029,
0.3817


 8.7024, 0.2926,
0.4276


 66.8039, 0.3040,
0.3762

 4.5476, 0.2858,
0.4548

 88.5805, 0.3049,
0.3717

 1.9843, 0.2730,
0.5020

 114.6394, 0.3057,
0.3680

 0.5983, 0.0128,
0.9872

145.3650, 0.3063,
0.3649

 0.0000, 0.0000,
0.0000

181.1418, 0.3068,

0.3622

222.3541, 0.3072,
0.3599

■ 23.3243, 0.2995,
0.3977

■ 23.3243, 0.2995,
0.3977

■ 22.3777, 0.2958,
0.4242

■ 24.4453, 0.3036,
0.3733

■ 21.5937, 0.2927,
0.4523

■ 25.7457, 0.3078,
0.3513

■ 20.9639, 0.2904,
0.4809

■ 27.2342, 0.3121,
0.3317

■ 20.4779, 0.2893,
0.5090

■ 28.9178, 0.3163,
0.3144


■ 20.1237, 0.2895,
0.5350

■ 30.8034, 0.3203,
0.2993

 19.8877, 0.2910,
0.5574

 32.8972, 0.3241,
0.2861

 19.7493, 0.2925,
0.5731

 35.2056, 0.3276,
0.2747

 37.7343, 0.3309,
0.2648

 40.4891, 0.3340,
0.2561

Harmonies

Analogous

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



23.3243, 0.3462, 0.4145



23.3243, 0.2995, 0.3977



23.3243, 0.2583, 0.3573

Triad

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



23.3243, 0.2995, 0.3977



23.3243, 0.2418, 0.2556



23.3243, 0.3997, 0.3373

Complementary

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



23.3243, 0.2995, 0.3977



16.2686, 0.3295, 0.2690

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.



23.3243, 0.3675, 0.3009



23.3243, 0.2995, 0.3977



23.3243, 0.2749, 0.2555

Square

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



23.3243, 0.2995, 0.3977



23.3243, 0.2270, 0.2742



23.3243, 0.3207, 0.2719



23.3243, 0.4061, 0.3745

Rectangle

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



23.3243, 0.2995, 0.3977



23.3243, 0.2391, 0.3256



23.3243, 0.3207, 0.2719



23.3243, 0.3915, 0.3248

Sweetspot

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



23.3253, 0.2995, 0.3977



46.6815, 0.3088, 0.3466



25.5354, 0.3472, 0.4078



10.6276, 0.3082, 0.3493



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.



23.3253, 0.2995, 0.3977



40.4956, 0.2967, 0.4169



23.8614, 0.2797, 0.3531



6.0478, 0.3088, 0.3466



17.4635, 0.2923, 0.5724



0.1698, 0.2726, 0.5012

Inverse Universe

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



16.2686, 0.3295, 0.2690



25.7333, 0.3345, 0.2549



15.7169, 0.3617, 0.3064



5.4908, 0.3169, 0.3120



6.1866, 0.3845, 0.1892



0.0624, 0.3498, 0.1701

Previews

White Background



This preview shows how the Yxy color 23.3243, 0.2995, 0.3977 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 23.3243, 0.2995, 0.3977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

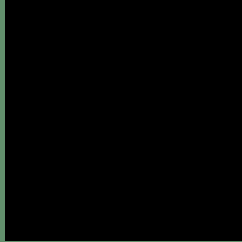
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3243, 0.2995, 0.3977

Background



This preview shows how black text looks on a background with the Yxy color 23.3243, 0.2995, 0.3977.



This preview shows how white text looks on a background with the Yxy color 23.3243, 0.2995, 0.3977.

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

23.3243, 0.2995, 0.3977

Protanopia

23.1445, 0.3556, 0.3795

Deuteranopia

23.0018, 0.3620, 0.3558



Tritanopia

23.4111, 0.2701, 0.3091

Trichromacy



Original Color

23.3243, 0.2995, 0.3977

Protanomaly

22.9882, 0.3326, 0.3860

Deuteranomaly

22.8064, 0.3364, 0.3703

Tritanomaly

23.3610, 0.2806, 0.3401

Monochromacy



Original Color

23.3243, 0.2995, 0.3977

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.5474, 0.3082, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3243, 0.2995, 0.3977 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(98, 143, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 143, 108) }
```

Border

The CSS property to change the border of an element to Yxy 23.3243, 0.2995, 0.3977 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, 108) }
```

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

```
.border{ border-color:rgb(98, 143, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 143, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 143, 108);  
box-shadow:4px 4px 4px 4px rgb(98, 143,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3243, 0.2995, 0.3977 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, 108) }
```

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

```
.background{ background-color: rgb(98, 143,  
108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor