

Converting Colors

$Y_{xy}(28.3240, 0.3093, 0.4469)$

Have a look what the booklet for
Yxy(28.3240, 0.3093, 0.4469)
contains.

Yxy(28.2375, 0.3089, 0.4463)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(28.2375, 0.3089, 0.4463)$

Conversions

Conversions Part 1

Format	Color
Hex	629F60
RGB	98, 159, 96
RGB Percent	38%, 62%, 38%
CMY	0.6158, 0.3764, 0.6235
CMYK	0.38, 0.00, 0.40, 0.38
HSL	118°, 25%, 50%
HSV	118°, 40%, 62%
XYZ	19.5442, 28.2375, 15.4886
YIQ	133.5790, -16.1330, -32.5250

Conversions

Conversions Part 2

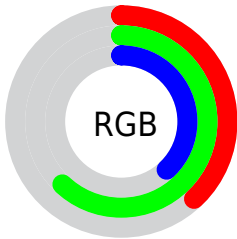
Format	Color
R_{YB}	96, 159, 157
Decimal	6463328
CIE _{Lab}	60.10, -32.91, 26.81
CIE _{LCh}	60, 42.448, 140.834
Yxy	28.2375, 0.3089, 0.4463
Android (android.graphics.Color)	4284653408 (0xFF629F60)
YUV	133.5790, -18.5264, -31.2028
Hunter-Lab	53.1390, -27.3420, 19.9159

Details

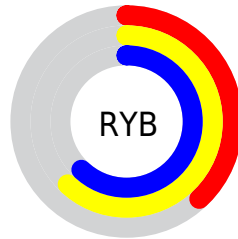
The Yxy color $28.2375, 0.3089, 0.4463$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.0441, 0.3147, 0.2331$, and the grayscale version is $23.7495, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.7790, 0.3112, 0.4200$, and $11.3096, 0.3029, 0.4951$ is the 20% darker color. If you saturate the color by 10%, you get $27.1990, 0.3075, 0.4812$, and if you desaturate by 10%, it is $29.5026, 0.3101, 0.4126$.

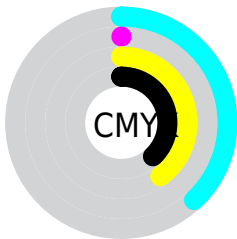
Distribution



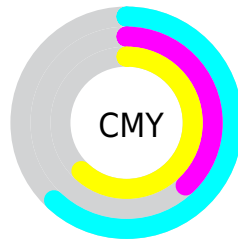
- Red (38%)
- Green (62%)
- Blue (38%)



- Red (38%)
- Yellow (62%)
- Blue (62%)



- Cyan (38%)
- Magenta (0%)
- Yellow (40%)
- Black (38%)





- Cyan (62%)
- Magenta (38%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2375, 0.3089, 0.4463 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 28.2375, 0.3089, 0.4463 by changing the saturation by 10% instead.


 28.2375, 0.3089,
0.4463


 28.2375, 0.3089,
0.4463


293.6000, 0.3131,
0.3793


 18.5048, 0.3067,
0.4663


 56.8634, 0.3112,
0.4197


 11.3130, 0.3028,
0.4941


 76.5254, 0.3118,
0.4104

 6.2778, 0.2954,
0.5350


 100.2658, 0.3122,
0.4028

 3.0147, 0.2827,
0.6068

 128.4693, 0.3125,
0.3966

 1.1394, 0.1856,
0.8144

161.5200, 0.3127,
0.3912

 0.0114, 0.0000,
1.0000

199.8024, 0.3129,

 0.0000, 0.0000,

0.3867

0.0000

243.7010, 0.3130,
0.3828

■ 28.2375, 0.3089,
0.4463

■ 28.2375, 0.3089,
0.4463

■ 27.1990, 0.3075,
0.4812

■ 29.5026, 0.3101,
0.4126

■ 26.3704, 0.3059,
0.5153

■ 31.0026, 0.3112,
0.3813

■ 25.7384, 0.3044,
0.5462


■ 32.7501, 0.3120,
0.3531

■ 25.2868, 0.3029,
0.5713


■ 34.7555, 0.3127,
0.3281

■ 24.9967, 0.3016,
0.5887


■ 37.0285, 0.3133,
0.3064

 24.8361, 0.3008,
0.5990

 39.5786, 0.3137,
0.2875

 24.8310, 0.3008,
0.5994

 42.4147, 0.3141,
0.2713

 45.5452, 0.3143,
0.2573

 48.9783, 0.3145,
0.2453

Harmonies

Analogous

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



28.2375, 0.3760, 0.4556



28.2375, 0.3089, 0.4463



28.2375, 0.2464, 0.3907

Triad

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



28.2375, 0.3089, 0.4463



28.2375, 0.2032, 0.2276



28.2375, 0.4328, 0.3233

Complementary

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



28.2375, 0.3089, 0.4463



18.0441, 0.3147, 0.2331

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.



28.2375, 0.3756, 0.2755



28.2375, 0.3089, 0.4463



28.2375, 0.2421, 0.2226

Square

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



28.2375, 0.3089, 0.4463



28.2375, 0.1903, 0.2586



28.2375, 0.3038, 0.2399



28.2375, 0.4521, 0.3758

Rectangle

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



28.2375, 0.3089, 0.4463



28.2375, 0.2156, 0.3411



28.2375, 0.3038, 0.2399



28.2375, 0.4171, 0.3065

Sweetspot

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



28.2387, 0.3089, 0.4463



57.7858, 0.3118, 0.3601



32.2994, 0.3717, 0.4219



12.9406, 0.3117, 0.3634



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.2387, 0.3089, 0.4463



48.8244, 0.3076, 0.4787



28.7776, 0.2842, 0.3904



7.4104, 0.3121, 0.3521



19.6136, 0.3009, 0.5993



0.3533, 0.3053, 0.5958

Inverse Universe

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



18.0441, 0.3147, 0.2331



27.8456, 0.3149, 0.2125



17.3405, 0.3571, 0.2754



6.7441, 0.3133, 0.3069



7.4112, 0.3133, 0.1500



0.1354, 0.3166, 0.1518

Previews

White Background



This preview shows how the Yxy color 28.2375, 0.3089, 0.4463 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 28.2375, 0.3089, 0.4463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

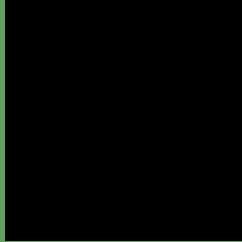
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2375, 0.3089, 0.4463

Background



This preview shows how black text looks on a background with the Yxy color 28.2375, 0.3089, 0.4463.



This preview shows how white text looks on a background with the Yxy color 28.2375, 0.3089, 0.4463.

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

28.2375, 0.3089, 0.4463

Protanopia

27.8528, 0.3824, 0.4140

Deuteranopia

27.8872, 0.3922, 0.3845



Tritanopia

28.1571, 0.2657, 0.3087

Trichromacy



Original Color

28.2375, 0.3089, 0.4463

Protanomaly

27.5018, 0.3536, 0.4260

Deuteranomaly

27.4784, 0.3585, 0.4070

Tritanomaly

28.0395, 0.2810, 0.3555

Monochromacy



Original Color

28.2375, 0.3089, 0.4463

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.0659, 0.3118, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2375, 0.3089, 0.4463 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, 159, 96)` looks like.

```
.text, #text, p{  
    color:rgb(98, 159, 96)  
}
```

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, 159, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 159, 96) }
```

Border

The CSS property to change the border of an element to Yxy 28.2375, 0.3089, 0.4463 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, 159, 96) }
```

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

```
.border{ border-color:rgb(98, 159, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 159, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 159, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 159, 96);  
box-shadow:4px 4px 4px 4px rgb(98, 159,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2375, 0.3089, 0.4463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 159, 96) }
```

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

```
.background{ background-color: rgb(98, 159,  
96) }
```

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