

Converting Colors

$Y_{xy}(23.6142, 0.2830, 0.3579)$

Have a look what the booklet for
Yxy(23.6142, 0.2830, 0.3579)
contains.

Yxy(23.5310, 0.2833, 0.3575)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5310, 0.2833, 0.3575)

Conversions

Conversions Part 1

Format	Color
Hex	638E7F
RGB	99, 142, 127
RGB Percent	39%, 56%, 50%
CMY	0.6119, 0.4431, 0.5019
CMYK	0.30, 0.00, 0.11, 0.44
HSL	159°, 18%, 47%
HSV	159°, 30%, 56%
XYZ	18.6471, 23.5310, 23.6429
YIQ	127.4330, -20.8130, -13.7810

Conversions

Conversions Part 2

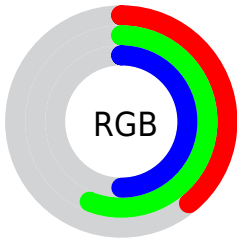
Format	Color
R _Y B	99, 125, 142
Decimal	6524543
CIE Lab	55.62, -18.15, 3.26
CIE LCh	56, 18.445, 169.809
Yxy	23.5310, 0.2833, 0.3575
Android (android.graphics.Color)	4284714623 (0xFF638E7F)
YUV	127.4330, -0.2135, -24.9357
Hunter-Lab	48.5088, -16.2738, 5.0585

Details

The Yxy color **23.5310, 0.2833, 0.3575** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.8823, 0.3551, 0.3024**, and the grayscale version is **21.3845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3545, 0.2897, 0.3509**, and **8.8825, 0.2718, 0.3704** is the 20% darker color. If you saturate the color by 10%, you get **22.6757, 0.2750, 0.3686**, and if you desaturate by 10%, it is **24.5352, 0.2925, 0.3472**.

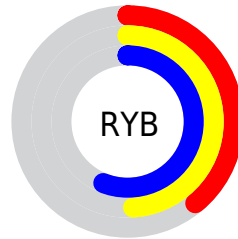
Distribution



Red (39%)

Green (56%)

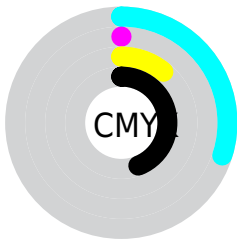
Blue (50%)



Red (39%)

Yellow (49%)

Blue (56%)

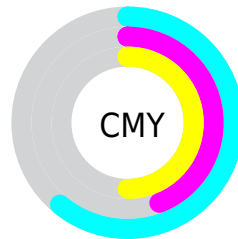


Cyan (30%)

Magenta (0%)

Yellow (11%)

Black (44%)



Cyan (61%)


Magenta (44%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5310, 0.2833, 0.3575 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 23.5310, 0.2833, 0.3575 by changing the saturation by 10% instead.


 23.5310, 0.2833,
0.3575


 23.5310, 0.2833,
0.3575


270.4407, 0.2998,
0.3414


 14.9861, 0.2785,
0.3623


 49.2638, 0.2898,
0.3511

 8.8096, 0.2717,
0.3691


 67.2204, 0.2921,
0.3489

 4.6172, 0.2617,
0.3792


 89.0831, 0.2939,
0.3471

 2.0245, 0.2453,
0.3962

 115.2362, 0.2955,
0.3456

 0.6216, 0.1212,
0.5104

146.0641, 0.2968,
0.3443

 0.0000, 0.0000,
0.0000

181.9512, 0.2979,

0.3432

223.2820, 0.2989,
0.3422

■ 23.5310, 0.2833,
0.3575

■ 23.5310, 0.2833,
0.3575

■ 22.6757, 0.2750,
0.3686

■ 24.5352, 0.2925,
0.3472

■ 21.9590, 0.2679,
0.3805

■ 25.6923, 0.3023,
0.3378

■ 21.3736, 0.2622,
0.3930

■ 27.0098, 0.3124,
0.3293

■ 20.9107, 0.2582,
0.4059

■ 28.4937, 0.3227,
0.3216

■ 20.5599, 0.2560,
0.4189

■ 30.1498, 0.3330,
0.3148

■ 20.3095, 0.2558,
0.4320

■ 31.9837, 0.3431,
0.3088

■ 20.1309, 0.2568,
0.4445

■ 34.0006, 0.3530,
0.3035

■ 36.2054, 0.3625,
0.2988

■ 38.6030, 0.3717,
0.2948

Harmonies

Analogous

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



23.5310, 0.3142, 0.3803



23.5310, 0.2833, 0.3575



23.5310, 0.2610, 0.3266

Triad

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



23.5310, 0.2833, 0.3575



23.5310, 0.2785, 0.2759



23.5310, 0.3773, 0.3544

Complementary

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



23.5310, 0.2833, 0.3575



15.8823, 0.3551, 0.3024

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.



23.5310, 0.3670, 0.3277



23.5310, 0.2833, 0.3575



23.5310, 0.3086, 0.2840

Square

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



23.5310, 0.2833, 0.3575



23.5310, 0.2583, 0.2806



23.5310, 0.3413, 0.3025



23.5310, 0.3692, 0.3764

Rectangle

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



23.5310, 0.2833, 0.3575



23.5310, 0.2534, 0.3070



23.5310, 0.3413, 0.3025



23.5310, 0.3759, 0.3457

Sweetspot

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



23.5320, 0.2833, 0.3575



45.5469, 0.3034, 0.3368



23.8282, 0.3248, 0.4101



10.1095, 0.3021, 0.3379



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



23.5320, 0.2833, 0.3575



40.4903, 0.2778, 0.3646



22.0863, 0.2692, 0.3168



6.0848, 0.3034, 0.3368



18.0757, 0.2567, 0.4440



0.1770, 0.2405, 0.3857

Inverse Universe

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



15.8823, 0.3551, 0.3024



24.8904, 0.3677, 0.2965



16.8407, 0.3744, 0.3408



5.4532, 0.3230, 0.3214



5.3692, 0.5520, 0.2814



0.0552, 0.4469, 0.2236

Previews

White Background



This preview shows how the Yxy color 23.5310, 0.2833, 0.3575 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 23.5310, 0.2833, 0.3575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

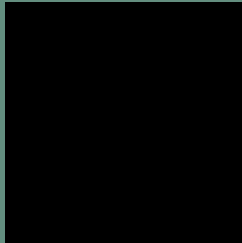
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5310, 0.2833, 0.3575

Background



This preview shows how black text looks on a background with the Yxy color 23.5310, 0.2833, 0.3575.

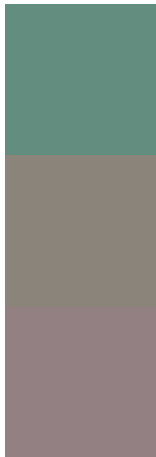


This preview shows how white text looks on a background with the Yxy color 23.5310, 0.2833, 0.3575.

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

23.5310, 0.2833, 0.3575

Protanopia

23.3109, 0.3306, 0.3464

Deuteranopia

23.2531, 0.3331, 0.3257



Tritanopia

23.6103, 0.2677, 0.3091

Trichromacy



Original Color

23.5310, 0.2833, 0.3575

Protanomaly

23.3486, 0.3117, 0.3507

Deuteranomaly

23.1059, 0.3135, 0.3361

Tritanomaly

23.5339, 0.2728, 0.3252

Monochromacy



Original Color

23.5310, 0.2833, 0.3575

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.8167, 0.3011, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5310, 0.2833, 0.3575 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(99, 142, 127)` looks like.

```
.text, #text, p{  
    color:rgb(99, 142, 127)  
}
```

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(99, 142, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 142, 127) }
```

Border

The CSS property to change the border of an element to Yxy 23.5310, 0.2833, 0.3575 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(99, 142, 127) }
```

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

```
.border{ border-color:rgb(99, 142, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 142, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 142, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 142, 127);  
box-shadow:4px 4px 4px 4px rgb(99, 142,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5310, 0.2833, 0.3575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 142, 127) }
```

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

```
.background{ background-color: rgb(99, 142,  
127) }
```

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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