

Converting Colors

$Y_{xy}(22.9607, 0.2886, 0.3768)$

Have a look what the booklet for
Yxy(22.9607, 0.2886, 0.3768)
contains.

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Color

Yxy(23.0633, 0.2885, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	5F8E75
RGB	95, 142, 117
RGB Percent	37%, 56%, 46%
CMY	0.6274, 0.4431, 0.5412
CMYK	0.33, 0.00, 0.18, 0.44
HSL	148°, 20%, 46%
HSV	148°, 33%, 56%
XYZ	17.6025, 23.0633, 20.3482
YIQ	125.0970, -19.9870, -17.7390

Conversions

Conversions Part 2

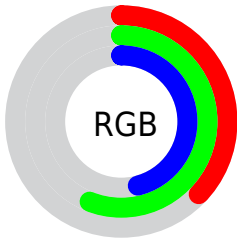
Format	Color
R_{YB}	95, 127, 142
Decimal	6262389
CIE _{Lab}	55.14, -21.62, 8.31
CIE _{LCh}	55, 23.164, 158.989
Y _{xy}	23.0633, 0.2885, 0.3780
Android (android.graphics.Color)	4284452469 (0xFF5F8E75)
YUV	125.0970, -3.9918, -26.3951
Hunter-Lab	48.0243, -18.6161, 8.4954

Details

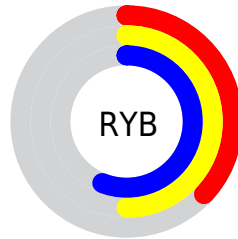
The Yxy color **23.0633, 0.2885, 0.3780** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.2927, 0.3473, 0.2849**, and the grayscale version is **20.5616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5475, 0.2942, 0.3668**, and **8.4927, 0.2778, 0.3970** is the 20% darker color. If you saturate the color by 10%, you get **22.2011, 0.2824, 0.3959**, and if you desaturate by 10%, it is **24.0804, 0.2954, 0.3615**.

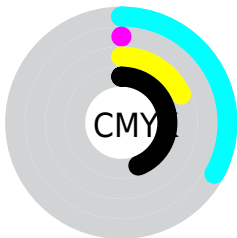
Distribution



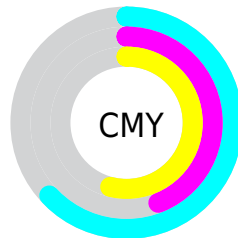
- Red (37%)
- Green (56%)
- Blue (46%)



- Red (37%)
- Yellow (50%)
- Blue (56%)



- Cyan (33%)
- Magenta (0%)
- Yellow (18%)
- Black (44%)




- Cyan (63%)
- Magenta (44%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0633, 0.2885, 0.3780 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 23.0633, 0.2885, 0.3780 by changing the saturation by 10% instead.


 23.0633, 0.2885,
0.3780


 23.0633, 0.2885,
0.3780


268.0499, 0.3024,
0.3498


 14.6403, 0.2842,
0.3866


 48.4972, 0.2941,
0.3667

 8.5673, 0.2782,
0.3990


 66.2769, 0.2960,
0.3628

 4.4600, 0.2689,
0.4179

 87.9443, 0.2976,
0.3596

 1.9341, 0.2529,
0.4507

 113.8837, 0.2989,
0.3570

 0.5688, 0.0205,
0.9173

144.4796, 0.3000,
0.3548

 0.0000, 0.0000,
0.0000

180.1163, 0.3009,

0.3529

221.1783, 0.3017,
0.3513

■ 23.0633, 0.2885,
0.3780

■ 23.0633, 0.2885,
0.3780

■ 22.2011, 0.2824,
0.3959

■ 24.0804, 0.2954,
0.3615

■ 21.4831, 0.2773,
0.4150

■ 25.2568, 0.3027,
0.3464

■ 20.9016, 0.2736,
0.4350

■ 26.6003, 0.3103,
0.3329

■ 20.4471, 0.2715,
0.4553

■ 28.1173, 0.3180,
0.3208

■ 20.1087, 0.2712,
0.4755

■ 29.8140, 0.3256,
0.3101

■ 19.8735, 0.2728,
0.4949

■ 31.6959, 0.3330,
0.3007

■ 19.7454, 0.2744,
0.5078

■ 33.7688, 0.3401,
0.2924

■ 36.0378, 0.3469,
0.2852

■ 38.5081, 0.3534,
0.2789

Harmonies

Analogous

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



23.0633, 0.3288, 0.4004



23.0633, 0.2885, 0.3780



23.0633, 0.2561, 0.3400

Triad

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



23.0633, 0.2885, 0.3780



23.0633, 0.2589, 0.2629



23.0633, 0.3926, 0.3481

Complementary

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



23.0633, 0.2885, 0.3780



15.2927, 0.3473, 0.2849

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.



23.0633, 0.3715, 0.3150



23.0633, 0.2885, 0.3780



23.0633, 0.2925, 0.2678

Square

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



23.0633, 0.2885, 0.3780



23.0633, 0.2400, 0.2742



23.0633, 0.3340, 0.2864



23.0633, 0.3903, 0.3790

Rectangle

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



23.0633, 0.2885, 0.3780



23.0633, 0.2427, 0.3135



23.0633, 0.3340, 0.2864



23.0633, 0.3880, 0.3369

Sweetspot

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



23.0643, 0.2885, 0.3780



45.1893, 0.3049, 0.3424



24.1716, 0.3354, 0.4158



10.0303, 0.3040, 0.3441



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.



23.0643, 0.2885, 0.3780



39.4694, 0.2837, 0.3918



23.6867, 0.2684, 0.3318



6.0687, 0.3057, 0.3409



17.7310, 0.2742, 0.5071



0.1739, 0.2519, 0.4268

Inverse Universe

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



15.2927, 0.3473, 0.2849



23.5055, 0.3584, 0.2744



14.7912, 0.3836, 0.3264



5.4691, 0.3204, 0.3173



5.6305, 0.4773, 0.2403



0.0583, 0.3958, 0.1954

Previews

White Background



This preview shows how the Yxy color 23.0633, 0.2885, 0.3780 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 23.0633, 0.2885, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

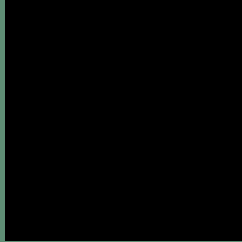
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0633, 0.2885, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 23.0633, 0.2885, 0.3780.



This preview shows how white text looks on a background with the Yxy color 23.0633, 0.2885, 0.3780.

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

23.0633, 0.2885, 0.3780

Protanopia

22.8057, 0.3420, 0.3624

Deuteranopia

22.8307, 0.3463, 0.3409



Tritanopia

23.1717, 0.2665, 0.3089

Trichromacy



Original Color

23.0633, 0.2885, 0.3780

Protanomaly

22.6804, 0.3199, 0.3678

Deuteranomaly

22.5016, 0.3232, 0.3524

Tritanomaly

22.9240, 0.2742, 0.3326

Monochromacy



Original Color

23.0633, 0.2885, 0.3780

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.2151, 0.3029, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0633, 0.2885, 0.3780 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 $rgb(95, 142, 117)$ looks like.

```
.text, #text, p{  
    color:rgb(95, 142, 117)  
}
```

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(95, 142, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 142, 117) }
```

Border

The CSS property to change the border of an element to Yxy 23.0633, 0.2885, 0.3780 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(95, 142, 117) }
```

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

```
.border{ border-color:rgb(95, 142, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 142, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 142, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 142, 117);  
box-shadow:4px 4px 4px 4px rgb(95, 142,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0633, 0.2885, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 142, 117) }
```

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

```
.background{ background-color: rgb(95, 142,  
117) }
```

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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