

Converting Colors

$Y_{xy}(23.3810, 0.2756, 0.3653)$

Have a look what the booklet for
Yxy(23.3810, 0.2756, 0.3653)
contains.

Yxy(23.5019, 0.2757, 0.3660)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.5019, 0.2757, 0.3660)

Conversions

Conversions Part 1

Format	Color
Hex	58907D
RGB	88, 144, 125
RGB Percent	35%, 56%, 49%
CMY	0.6547, 0.4353, 0.5098
CMYK	0.39, 0.00, 0.13, 0.44
HSL	160°, 24%, 45%
HSV	160°, 39%, 56%
XYZ	17.7035, 23.5019, 23.0075
YIQ	125.0900, -27.2770, -17.7810

Conversions

Conversions Part 2

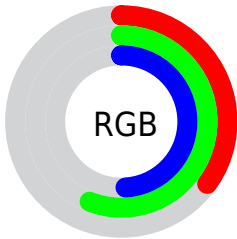
Format	Color
R_{YB}	88, 122, 144
Decimal	5804157
CIE _{Lab}	55.59, -23.01, 4.30
CIE _{LCh}	56, 23.410, 169.417
Yxy	23.5019, 0.2757, 0.3660
Android (android.graphics.Color)	4283994237 (0xFF58907D)
YUV	125.0900, -0.0444, -32.5279
Hunter-Lab	48.4788, -19.6532, 5.7968

Details

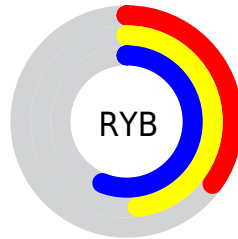
The Yxy color **23.5019, 0.2757, 0.3660** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.9795, 0.3730, 0.2954**, and the grayscale version is **20.5516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1780, 0.2834, 0.3569**, and **8.7438, 0.2608, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **22.7458, 0.2683, 0.3775**, and if you desaturate by 10%, it is **24.4049, 0.2842, 0.3553**.

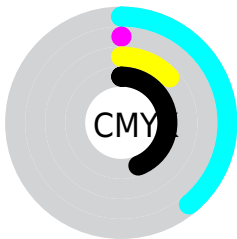
Distribution



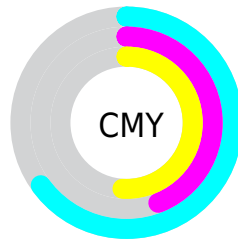
- Red (35%)
- Green (56%)
- Blue (49%)



- Red (35%)
- Yellow (48%)
- Blue (56%)



- Cyan (39%)
- Magenta (0%)
- Yellow (13%)
- Black (44%)





- Cyan (65%)
- Magenta (44%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5019, 0.2757, 0.3660 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 23.5019, 0.2757, 0.3660 by changing the saturation by 10% instead.


 23.5019, 0.2757,
0.3660


 23.5019, 0.2757,
0.3660


270.2925, 0.2965,
0.3450


 14.9645, 0.2696,
0.3723


 49.2161, 0.2839,
0.3576


 8.7945, 0.2611,
0.3812


 67.1618, 0.2868,
0.3547

 4.6074, 0.2484,
0.3947

 89.0124, 0.2891,
0.3524

 2.0188, 0.2276,
0.4173

 115.1522, 0.2911,
0.3504

 0.6184, 0.0255,
0.6080

145.9658, 0.2927,
0.3487

 0.0000, 0.0000,
0.0000

181.8374, 0.2942,

0.3473

223.1515, 0.2954,
0.3461

■ 23.5019, 0.2757,
0.3660

■ 23.5019, 0.2757,
0.3660

■ 22.7458, 0.2683,
0.3775

■ 24.4049, 0.2842,
0.3553

■ 22.1254, 0.2623,
0.3895

■ 25.4595, 0.2936,
0.3454

■ 21.6326, 0.2580,
0.4020

■ 26.6738, 0.3036,
0.3363

■ 21.2569, 0.2555,
0.4147

■ 28.0544, 0.3139,
0.3281

■ 20.9865, 0.2549,
0.4275

■ 29.6076, 0.3244,
0.3208

■ 20.7940, 0.2559,
0.4401

■ 31.3393, 0.3348,
0.3142

■ 20.7731, 0.2560,
0.4415

■ 33.2551, 0.3450,
0.3085

■ 35.3603, 0.3550,
0.3034

■ 37.6603, 0.3647,
0.2989

Harmonies

Analogous

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



23.5019, 0.3145, 0.3954



23.5019, 0.2757, 0.3660



23.5019, 0.2479, 0.3259

Triad

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



23.5019, 0.2757, 0.3660



23.5019, 0.2690, 0.2626



23.5019, 0.3949, 0.3596

Complementary

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



23.5019, 0.2757, 0.3660



13.9795, 0.3730, 0.2954

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.



23.5019, 0.3815, 0.3263



23.5019, 0.2757, 0.3660



23.5019, 0.3065, 0.2726

Square

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



23.5019, 0.2757, 0.3660



23.5019, 0.2443, 0.2681



23.5019, 0.3483, 0.2953



23.5019, 0.3845, 0.3880

Rectangle

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



23.5019, 0.2757, 0.3660



23.5019, 0.2385, 0.3008



23.5019, 0.3483, 0.2953



23.5019, 0.3931, 0.3486

Sweetspot

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



23.5029, 0.2757, 0.3660



46.2908, 0.3002, 0.3393



23.8153, 0.3275, 0.4363



10.5593, 0.2990, 0.3403



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.



23.5029, 0.2757, 0.3660



40.2303, 0.2689, 0.3764



21.5874, 0.2581, 0.3128



6.0856, 0.3033, 0.3366



18.0958, 0.2558, 0.4408



0.1771, 0.2400, 0.3840

Inverse Universe

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



13.9795, 0.3730, 0.2954



20.8851, 0.3945, 0.2877



15.0815, 0.3992, 0.3443



5.4524, 0.3232, 0.3216



5.3596, 0.5554, 0.2833



0.0551, 0.4500, 0.2252

Previews

White Background



This preview shows how the Yxy color 23.5019, 0.2757, 0.3660 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 23.5019, 0.2757, 0.3660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

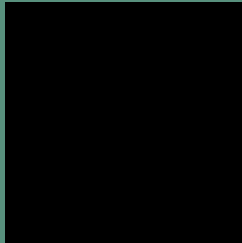
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5019, 0.2757, 0.3660

Background



This preview shows how black text looks on a background with the Yxy color 23.5019, 0.2757, 0.3660.



This preview shows how white text looks on a background with the Yxy color 23.5019, 0.2757, 0.3660.

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

23.5019, 0.2757, 0.3660

Protanopia

23.2377, 0.3339, 0.3517

Deuteranopia

23.1999, 0.3354, 0.3291



Tritanopia

23.3702, 0.2586, 0.3087

Trichromacy



Original Color

23.5019, 0.2757, 0.3660

Protanomaly

22.9819, 0.3103, 0.3566

Deuteranomaly

23.0181, 0.3110, 0.3415

Tritanomaly

23.2781, 0.2644, 0.3270

Monochromacy



Original Color

23.5019, 0.2757, 0.3660

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.4279, 0.2976, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5019, 0.2757, 0.3660 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(88, 144, 125)` looks like.

```
.text, #text, p{  
  color:rgb(88, 144, 125)  
}
```

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(88, 144, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 144, 125) }
```

Border

The CSS property to change the border of an element to Yxy 23.5019, 0.2757, 0.3660 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(88, 144, 125) }
```

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

```
.border{ border-color:rgb(88, 144, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 144, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 144, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 144, 125);  
box-shadow:4px 4px 4px 4px rgb(88, 144,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5019, 0.2757, 0.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 144, 125) }
```

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

```
.background{ background-color: rgb(88, 144,  
125) }
```

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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