

Converting Colors

$Y_{xy}(23.7559, 0.3167, 0.4586)$

Have a look what the booklet for
Yxy(23.7559, 0.3167, 0.4586)
contains.

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Color

Yxy(23.8038, 0.3168, 0.4579)

Conversions

Conversions Part 1

Format	Color
Hex	5D9352
RGB	93, 147, 82
RGB Percent	36%, 58%, 32%
CMY	0.6354, 0.4235, 0.6784
CMYK	0.37, 0.00, 0.44, 0.42
HSL	110°, 28%, 45%
HSV	110°, 44%, 58%
XYZ	16.4688, 23.8038, 11.7122
YIQ	123.4440, -11.3190, -31.6630

Conversions

Conversions Part 2

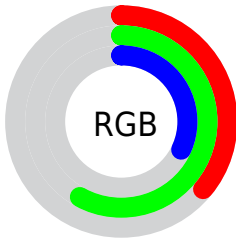
Format	Color
R_{YB}	82, 147, 136
Decimal	6132562
CIE _{Lab}	55.89, -31.13, 28.83
CIE _{LCh}	56, 42.429, 137.191
Y _{xy}	23.8038, 0.3168, 0.4579
Android (android.graphics.Color)	4284322642 (0xFF5D9352)
YUV	123.4440, -20.4319, -26.6994
Hunter-Lab	48.7891, -25.1284, 19.9194

Details

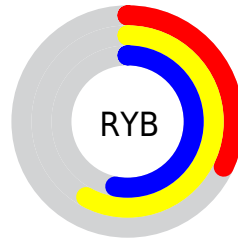
The Yxy color **23.8038, 0.3168, 0.4579** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.3831, 0.3022, 0.2192**, and the grayscale version is **20.0319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5502, 0.3184, 0.4275**, and **8.9793, 0.3117, 0.5144** is the 20% darker color. If you saturate the color by 10%, you get **23.0170, 0.3164, 0.4911**, and if you desaturate by 10%, it is **24.7426, 0.3165, 0.4250**.

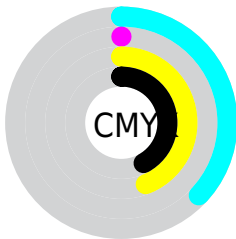
Distribution



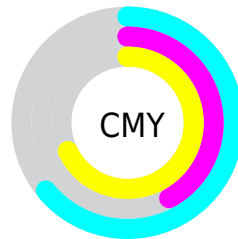
- Red (36%)
- Green (58%)
- Blue (32%)



- Red (32%)
- Yellow (58%)
- Blue (53%)



- Cyan (37%)
- Magenta (0%)
- Yellow (44%)
- Black (42%)




- Cyan (64%)
- Magenta (42%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8038, 0.3168, 0.4579 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 23.8038, 0.3168, 0.4579 by changing the saturation by 10% instead.


 23.8038, 0.3168,
0.4579

 23.8038, 0.3168,
0.4579


271.8271, 0.3171,
0.3826


 15.1881, 0.3152,
0.4812


 49.7098, 0.3178,
0.4274


 8.9515, 0.3117,
0.5141


 67.7690, 0.3179,
0.4170


 4.7096, 0.3036,
0.5634

 89.7448, 0.3178,
0.4085

 2.0779, 0.3055,
0.6945

 116.0216, 0.3177,
0.4015

 0.6521, 0.0000,
1.0000

 146.9839, 0.3176,
0.3956

 0.0000, 0.0000,
0.0000

183.0159, 0.3174,

0.3906

224.5022, 0.3173,
0.3863

■ 23.8038, 0.3168,
0.4579

■ 23.8038, 0.3168,
0.4579

■ 23.0170, 0.3164,
0.4911

■ 24.7426, 0.3165,
0.4250

■ 22.3711, 0.3152,
0.5228

■ 25.8376, 0.3158,
0.3938

■ 21.8586, 0.3133,
0.5509


■ 27.0967, 0.3147,
0.3650


■ 21.4697, 0.3106,
0.5732

■ 28.5263, 0.3133,
0.3391

■ 21.1933, 0.3074,
0.5884

■ 30.1326, 0.3119,
0.3160

 21.0737, 0.3059,
0.5953

 31.9213, 0.3103,
0.2957

 33.8978, 0.3088,
0.2779

 36.0676, 0.3073,
0.2624

 38.4357, 0.3059,
0.2489

Harmonies

Analogous

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



23.8038, 0.3867, 0.4605



23.8038, 0.3168, 0.4579



23.8038, 0.2496, 0.4036

Triad

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



23.8038, 0.3168, 0.4579



23.8038, 0.1947, 0.2247



23.8038, 0.4342, 0.3160

Complementary

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



23.8038, 0.3168, 0.4579



13.3831, 0.3022, 0.2192

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.



23.8038, 0.3701, 0.2674



23.8038, 0.3168, 0.4579



23.8038, 0.2320, 0.2167

Square

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



23.8038, 0.3168, 0.4579



23.8038, 0.1846, 0.2603



23.8038, 0.2942, 0.2322



23.8038, 0.4600, 0.3706

Rectangle

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



23.8038, 0.3168, 0.4579



23.8038, 0.2153, 0.3511



23.8038, 0.2942, 0.2322



23.8038, 0.4161, 0.2987

Sweetspot

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



23.8048, 0.3168, 0.4579



48.7486, 0.3146, 0.3624



24.1672, 0.3841, 0.4175



11.0161, 0.3148, 0.3681



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.8048, 0.3168, 0.4579



41.2306, 0.3164, 0.4907



23.6358, 0.2898, 0.4190



6.5126, 0.3140, 0.3517



18.2755, 0.3062, 0.5951



0.2325, 0.3284, 0.5775

Inverse Universe

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



13.3831, 0.3022, 0.2192



20.0845, 0.2987, 0.1962



13.7583, 0.3480, 0.2541



5.8603, 0.3112, 0.3070



5.4374, 0.2796, 0.1314



0.0771, 0.3010, 0.1432

Previews

White Background



This preview shows how the Yxy color 23.8038, 0.3168, 0.4579 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 23.8038, 0.3168, 0.4579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

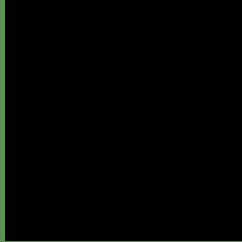
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8038, 0.3168, 0.4579

Background



This preview shows how black text looks on a background with the Yxy color 23.8038, 0.3168, 0.4579.



This preview shows how white text looks on a background with the Yxy color 23.8038, 0.3168, 0.4579.

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

23.8038, 0.3168, 0.4579

Protanopia

23.4219, 0.3895, 0.4227

Deuteranopia

23.3404, 0.4007, 0.3928



Tritanopia

23.6705, 0.2685, 0.3091

Trichromacy



Original Color

23.8038, 0.3168, 0.4579

Protanomaly

23.2535, 0.3607, 0.4357

Deuteranomaly

22.9403, 0.3680, 0.4155

Tritanomaly

23.5934, 0.2870, 0.3613

Monochromacy



Original Color

23.8038, 0.3168, 0.4579

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.0300, 0.3151, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8038, 0.3168, 0.4579 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(93, 147, 82)` looks like.

```
.text, #text, p{  
    color:rgb(93, 147, 82)  
}
```

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(93, 147, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 147, 82) }
```

Border

The CSS property to change the border of an element to Yxy 23.8038, 0.3168, 0.4579 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(93, 147, 82) }
```

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

```
.border{ border-color:rgb(93, 147, 82) }
```

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

Here you see how a box with a 4 pixel rgb(93, 147, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 147, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 147, 82);  
box-shadow:4px 4px 4px 4px rgb(93, 147,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8038, 0.3168, 0.4579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 147, 82) }
```

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

```
.background{ background-color: rgb(93, 147,  
82) }
```

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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