

Converting Colors

$Yxy(23.4827, 0.3011, 0.4307)$

Have a look what the booklet for
Yxy(23.4827, 0.3011, 0.4307)
contains.

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Color

$Y_{xy}(23.4770, 0.3005, 0.4298)$

Conversions

Conversions Part 1

Format	Color
Hex	589260
RGB	88, 146, 96
RGB Percent	35%, 57%, 38%
CMY	0.6549, 0.4274, 0.6235
CMYK	0.40, 0.00, 0.34, 0.43
HSL	128°, 25%, 46%
HSV	128°, 40%, 57%
XYZ	16.4142, 23.4770, 14.7318
YIQ	122.9580, -18.5180, -27.8460

Conversions

Conversions Part 2

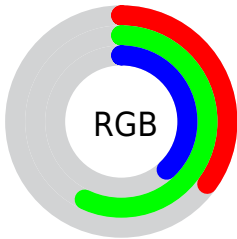
Format	Color
R_{YB}	88, 139, 146
Decimal	5804640
CIE _{Lab}	55.56, -30.01, 20.71
CIE _{LCh}	56, 36.460, 145.396
Yxy	23.4770, 0.3005, 0.4298
Android (android.graphics.Color)	4283994720 (0xFF589260)
YUV	122.9580, -13.2903, -30.6582
Hunter-Lab	48.4531, -24.3232, 15.8904

Details

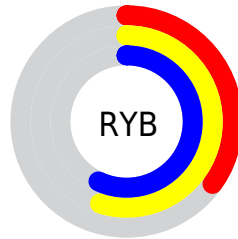
The Yxy color **23.4770, 0.3005, 0.4298** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.9252, 0.3282, 0.2458**, and the grayscale version is **19.8420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9906, 0.3040, 0.4054**, and **8.7995, 0.2920, 0.4749** is the 20% darker color. If you saturate the color by 10%, you get **22.6219, 0.2979, 0.4606**, and if you desaturate by 10%, it is **24.5139, 0.3034, 0.4007**.

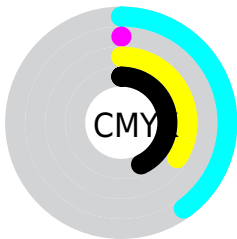
Distribution



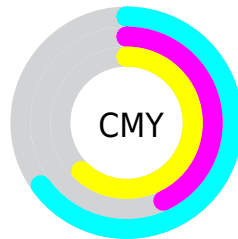
- Red (35%)
- Green (57%)
- Blue (38%)



- Red (35%)
- Yellow (55%)
- Blue (57%)



- Cyan (40%)
- Magenta (0%)
- Yellow (34%)
- Black (43%)



- Cyan (65%)
- Magenta (43%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4770, 0.3005, 0.4298 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 23.4770, 0.3005, 0.4298 by changing the saturation by 10% instead.


 23.4770, 0.3005,
0.4298


 23.4770, 0.3005,
0.4298


270.1656, 0.3089,
0.3709


 14.9461, 0.2972,
0.4482


 49.1754, 0.3043,
0.4059


 8.7816, 0.2920,
0.4747


 67.1117, 0.3055,
0.3977

 4.5990, 0.2827,
0.5155

 88.9519, 0.3064,
0.3911

 2.0140, 0.2707,
0.6015

 115.0804, 0.3071,
0.3856

 0.6156, 0.0000,
1.0000

145.8816, 0.3076,
0.3810

 0.0000, 0.0000,
0.0000

181.7400, 0.3081,

0.3771

223.0398, 0.3085,
0.3738

■ 23.4770, 0.3005,
0.4298

■ 23.4770, 0.3005,
0.4298

■ 22.6219, 0.2979,
0.4606

■ 24.5139, 0.3034,
0.4007

■ 21.9352, 0.2960,
0.4917

■ 25.7392, 0.3065,
0.3739

■ 21.4067, 0.2948,
0.5217


■ 27.1626, 0.3097,
0.3498


■ 21.0235, 0.2946,
0.5486


■ 28.7925, 0.3128,
0.3285

■ 20.7707, 0.2953,
0.5705

■ 30.6366, 0.3158,
0.3098

 20.6138, 0.2964,
0.5866

 32.7023, 0.3185,
0.2935

 20.6100, 0.2964,
0.5869

 34.9967, 0.3211,
0.2794

 37.5265, 0.3235,
0.2672

 40.2982, 0.3258,
0.2566

Harmonies

Analogous

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



23.4770, 0.3627, 0.4460



23.4770, 0.3005, 0.4298



23.4770, 0.2448, 0.3751

Triad

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



23.4770, 0.3005, 0.4298



23.4770, 0.2155, 0.2333



23.4770, 0.4276, 0.3318

Complementary

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



23.4770, 0.3005, 0.4298



14.9252, 0.3282, 0.2458

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.



23.4770, 0.3798, 0.2861



23.4770, 0.3005, 0.4298



23.4770, 0.2554, 0.2317

Square

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



23.4770, 0.3005, 0.4298



23.4770, 0.1997, 0.2588



23.4770, 0.3147, 0.2506



23.4770, 0.4397, 0.3807

Rectangle

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



23.4770, 0.3005, 0.4298



23.4770, 0.2184, 0.3304



23.4770, 0.3147, 0.2506



23.4770, 0.4150, 0.3159

Sweetspot

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



23.4780, 0.3005, 0.4298



47.2506, 0.3089, 0.3556



26.6898, 0.3614, 0.4274



10.4473, 0.3086, 0.3582



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.



23.4780, 0.3005, 0.4298



40.0091, 0.2981, 0.4582



24.1074, 0.2763, 0.3702



6.4807, 0.3099, 0.3486



18.1380, 0.2962, 0.5863



0.2245, 0.2817, 0.5340

Inverse Universe

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



14.9252, 0.3282, 0.2458



22.6818, 0.3327, 0.2276



14.2000, 0.3724, 0.2919



5.8956, 0.3157, 0.3101



6.7026, 0.3581, 0.1747



0.0851, 0.3378, 0.1634

Previews

White Background



This preview shows how the Yxy color 23.4770, 0.3005, 0.4298 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 23.4770, 0.3005, 0.4298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

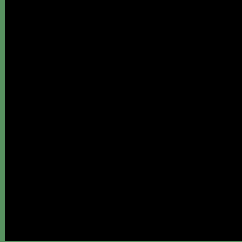
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4770, 0.3005, 0.4298

Background



This preview shows how black text looks on a background with the Yxy color 23.4770, 0.3005, 0.4298.



This preview shows how white text looks on a background with the Yxy color 23.4770, 0.3005, 0.4298.

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

23.4770, 0.3005, 0.4298

Protanopia

23.0804, 0.3726, 0.4014

Deuteranopia

23.1668, 0.3803, 0.3734



Tritanopia

23.3199, 0.2633, 0.3088

Trichromacy



Original Color

23.4770, 0.3005, 0.4298

Protanomaly

22.8750, 0.3434, 0.4125

Deuteranomaly

22.7763, 0.3469, 0.3923

Tritanomaly

23.3906, 0.2771, 0.3519

Monochromacy



Original Color

23.4770, 0.3005, 0.4298

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.7399, 0.3077, 0.3641

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4770, 0.3005, 0.4298 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, 146, 96)` looks like.

```
.text, #text, p{  
    color:rgb(88, 146, 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(88, 146, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 146, 96) }
```

Border

The CSS property to change the border of an element to Yxy 23.4770, 0.3005, 0.4298 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, 146, 96) }
```

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

```
.border{ border-color:rgb(88, 146, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 146, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 146, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 146, 96);  
box-shadow:4px 4px 4px 4px rgb(88, 146,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4770, 0.3005, 0.4298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 146, 96) }
```

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

```
.background{ background-color: rgb(88, 146,  
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](#).

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