

Converting Colors

$Y_{xy}(23.7443, 0.2989, 0.4270)$

Have a look what the booklet for
Yxy(23.7443, 0.2989, 0.4270)
contains.

Yxy(23.8240, 0.2988, 0.4272)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(23.8240, 0.2988, 0.4272)$

Conversions

Conversions Part 1

Format	Color
Hex	589362
RGB	88, 147, 98
RGB Percent	35%, 58%, 38%
CMY	0.6549, 0.4235, 0.6156
CMYK	0.40, 0.00, 0.33, 0.42
HSL	130°, 25%, 46%
HSV	130°, 40%, 58%
XYZ	16.6634, 23.8240, 15.2804
YIQ	123.7730, -19.4350, -27.7470

Conversions

Conversions Part 2

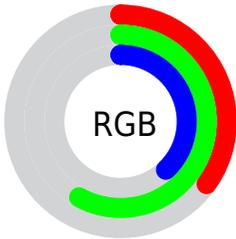
Format	Color
R_{YB}	88, 138, 147
Decimal	5804898
CIE _{Lab}	55.91, -30.12, 20.05
CIE _{LCh}	56, 36.184, 146.348
Yxy	23.8240, 0.2988, 0.4272
Android (android.graphics.Color)	4283994978 (0xFF589362)
YUV	123.7730, -12.7061, -31.3729
Hunter-Lab	48.8098, -24.4783, 15.6056

Details

The Yxy color **23.8240, 0.2988, 0.4272** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.9880, 0.3311, 0.2477**, and the grayscale version is **20.1252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5187, 0.3026, 0.4036**, and **8.9981, 0.2900, 0.4707** is the 20% darker color. If you saturate the color by 10%, you get **22.9652, 0.2960, 0.4570**, and if you desaturate by 10%, it is **24.8646, 0.3020, 0.3991**.

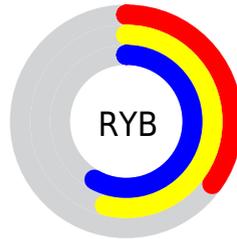
Distribution



Red (35%)

Green (58%)

Blue (38%)



Red (35%)

Yellow (54%)

Blue (58%)

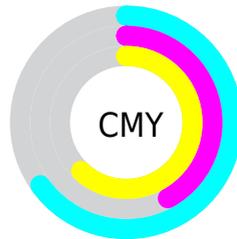


Cyan (40%)

Magenta (0%)

Yellow (33%)

Black (42%)



Cyan (65%)

Magenta (42%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8240, 0.2988, 0.4272 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 23.8240, 0.2988, 0.4272 by changing the saturation by 10% instead.

 23.8240, 0.2988,
0.4272

 23.8240, 0.2988,
0.4272

271.9295, 0.3080,
0.3699

 15.2031, 0.2953,
0.4451

 49.7428, 0.3029,
0.4040

 8.9621, 0.2899,
0.4707

 67.8096, 0.3042,
0.3960

 4.7164, 0.2805,
0.5101

 89.7937, 0.3052,
0.3896

 2.0819, 0.2663,
0.5880

 116.0797, 0.3060,
0.3843

 0.6544, 0.0000,
1.0000

147.0519, 0.3066,
0.3798

 0.0000, 0.0000,
0.0000

183.0946, 0.3072,

0.3760

224.5924, 0.3076,
0.3728

■ 23.8240, 0.2988,
0.4272

■ 23.8240, 0.2988,
0.4272

■ 22.9652, 0.2960,
0.4570

■ 24.8646, 0.3020,
0.3991

■ 22.2749, 0.2939,
0.4873

■ 26.0935, 0.3055,
0.3732

■ 21.7427, 0.2928,
0.5166

■ 27.5205, 0.3091,
0.3499

■ 21.3557, 0.2927,
0.5433

■ 29.1540, 0.3127,
0.3293

■ 21.0991, 0.2937,
0.5656

■ 31.0017, 0.3161,
0.3111

 20.9382, 0.2951,
0.5825

 33.0710, 0.3193,
0.2953

 35.3689, 0.3224,
0.2816

 37.9022, 0.3252,
0.2697

 40.6774, 0.3278,
0.2594

Harmonies

Analogous

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



23.8240, 0.3603, 0.4447



23.8240, 0.2988, 0.4272



23.8240, 0.2442, 0.3725

Triad

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



23.8240, 0.2988, 0.4272



23.8240, 0.2175, 0.2340



23.8240, 0.4271, 0.3334

Complementary

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



23.8240, 0.2988, 0.4272



14.9880, 0.3311, 0.2477

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.



23.8240, 0.3808, 0.2879



23.8240, 0.2988, 0.4272



23.8240, 0.2577, 0.2330

Square

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



23.8240, 0.2988, 0.4272



23.8240, 0.2010, 0.2585



23.8240, 0.3168, 0.2524



23.8240, 0.4379, 0.3817

Rectangle

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



23.8240, 0.2988, 0.4272



23.8240, 0.2185, 0.3284



23.8240, 0.3168, 0.2524



23.8240, 0.4151, 0.3176

Sweetspot

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



23.8250, 0.2988, 0.4272



48.7147, 0.3084, 0.3546



26.9053, 0.3596, 0.4292



11.0512, 0.3080, 0.3572



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.



23.8250, 0.2988, 0.4272



41.2876, 0.2963, 0.4535



24.4838, 0.2743, 0.3668



6.4836, 0.3095, 0.3479



18.1544, 0.2949, 0.5817



0.2252, 0.2780, 0.5210

Inverse Universe

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



14.9880, 0.3311, 0.2477



23.2390, 0.3362, 0.2308



14.2581, 0.3766, 0.2949



5.8924, 0.3162, 0.3108



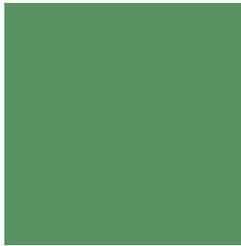
6.5997, 0.3679, 0.1800



0.0844, 0.3422, 0.1659

Previews

White Background



This preview shows how the Yxy color 23.8240, 0.2988, 0.4272 looks on a white background.

Color Contrast Check

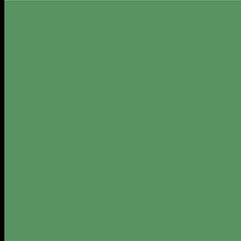
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8240, 0.2988, 0.4272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

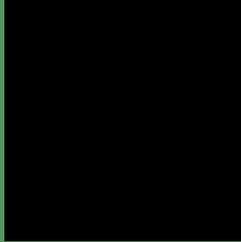
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8240, 0.2988, 0.4272

Background



This preview shows how black text looks on a background with the Yxy color 23.8240, 0.2988, 0.4272.



This preview shows how white text looks on a background with the Yxy color 23.8240, 0.2988, 0.4272.

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

23.8240, 0.2988, 0.4272

Protanopia

23.4771, 0.3711, 0.3992

Deuteranopia

23.5658, 0.3787, 0.3715



Tritanopia

23.6758, 0.2620, 0.3072

Trichromacy



Original Color

23.8240, 0.2988, 0.4272

Protanomaly

23.2702, 0.3422, 0.4101

Deuteranomaly

23.1731, 0.3456, 0.3901

Tritanomaly

23.7438, 0.2756, 0.3498

Monochromacy



Original Color

23.8240, 0.2988, 0.4272

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.1198, 0.3067, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8240, 0.2988, 0.4272 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, 147, 98)` looks like.

```
.text, #text, p{  
    color:rgb(88, 147, 98)  
}
```

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, 147, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 147, 98) }
```

Border

The CSS property to change the border of an element to Yxy 23.8240, 0.2988, 0.4272 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, 147, 98) }
```

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

```
.border{ border-color:rgb(88, 147, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 147, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 147, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 147, 98);  
box-shadow:4px 4px 4px 4px rgb(88, 147,  
98) }
```

Background

The CSS property to change the background color of an element to Yxy 23.8240, 0.2988, 0.4272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 147, 98) }
```

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

```
.background{ background-color: rgb(88, 147,  
98) }
```

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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