

Converting Colors

$Y_{xy}(23.5629, 0.3305, 0.5750)$

Have a look what the booklet for
Yxy(23.5629, 0.3305, 0.5750)
contains.

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Color

Yxy(23.6876, 0.3306, 0.5751)

Conversions

Conversions Part 1

Format	Color
Hex	449801
RGB	68, 152, 1
RGB Percent	27%, 60%, 0%
CMY	0.7334, 0.4039, 0.9959
CMYK	0.55, 0.00, 0.99, 0.40
HSL	93°, 99%, 30%
HSV	93°, 99%, 60%
XYZ	13.6170, 23.6876, 3.8841
YIQ	109.6700, -1.5930, -64.7690

Conversions

Conversions Part 2

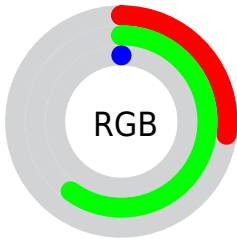
Format	Color
RYB	1, 152, 85
Decimal	4495361
CIELab	55.77, -47.74, 57.91
CIELCh	56, 75.052, 129.502
Yxy	23.6876, 0.3306, 0.5751
Android (android.graphics.Color)	4282685441 (0xFF449801)
YUV	109.6700, -53.5743, -36.5446
Hunter-Lab	48.6699, -35.2312, 29.3373

Details

The Yxy color **23.6876, 0.3306, 0.5751** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.2241, 0.2159, 0.0967**, and the grayscale version is **15.6509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5035, 0.3364, 0.5201**, and **9.1143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.6655, 0.3303, 0.5759**, and if you desaturate by 10%, it is **24.0509, 0.3352, 0.5622**.

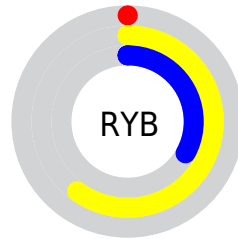
Distribution



Red (27%)

Green (60%)

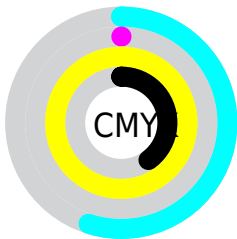
Blue (0%)



Red (0%)

Yellow (60%)

Blue (33%)

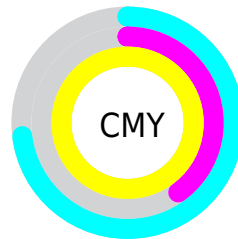


Cyan (55%)

Magenta (0%)

Yellow (99%)

Black (40%)



Cyan (73%)


Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6876, 0.3306, 0.5751 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 23.6876, 0.3306, 0.5751 by changing the saturation by 10% instead.


 23.6876, 0.3306,
0.5751


 23.6876, 0.3306,
0.5751


271.2373, 0.3326,
0.4329


 15.1020, 0.3226,
0.6139


 49.5199, 0.3359,
0.5198

 8.8910, 0.3096,
0.6706


 67.5355, 0.3363,
0.5000


 4.6702, 0.2739,
0.7261

 89.4632, 0.3361,
0.4836

 2.0551, 0.1939,
0.8061

 115.6874, 0.3356,
0.4700


 0.6392, 0.0000,
1.0000

 146.5925, 0.3349,
0.4585

 0.0000, 0.0000,
0.0000


 182.5629, 0.3342,

0.4487

 223.9830, 0.3334,
0.4403

 23.6876, 0.3306,
0.5751


 23.6876, 0.3306,
0.5751

 23.6655, 0.3303,
0.5759

 24.0509, 0.3352,
0.5622

 24.4861, 0.3385,
0.5447

 25.0066, 0.3399,
0.5219

 25.6186, 0.3394,
0.4953

 26.3277, 0.3371,
0.4662

■ 27.1389, 0.3335,
0.4362

■ 28.0567, 0.3288,
0.4066

■ 29.0854, 0.3236,
0.3783

■ 30.2291, 0.3180,
0.3517

Harmonies

Analogous

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



23.6876, 0.4399, 0.5232



23.6876, 0.3306, 0.5751



23.6876, 0.2226, 0.5075

Triad

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



23.6876, 0.3306, 0.5751



23.6876, 0.1229, 0.1687



23.6876, 0.5022, 0.2776

Complementary

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



23.6876, 0.3306, 0.5751



4.2241, 0.2159, 0.0967

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.



23.6876, 0.3740, 0.2129



23.6876, 0.3306, 0.5751



23.6876, 0.1642, 0.1535

Square

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



23.6876, 0.3306, 0.5751



23.6876, 0.1158, 0.2269



23.6876, 0.2475, 0.1693



23.6876, 0.5595, 0.3518

Rectangle

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



23.6876, 0.3306, 0.5751



23.6876, 0.1662, 0.4025



23.6876, 0.2475, 0.1693



23.6876, 0.4640, 0.2545

Sweetspot

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



23.6886, 0.3306, 0.5751



49.3032, 0.3295, 0.4103



13.0300, 0.5228, 0.4223



11.0602, 0.3313, 0.4218



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.6886, 0.3306, 0.5751



41.6675, 0.3290, 0.5770



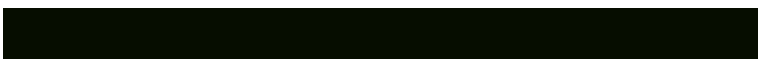
22.4835, 0.2989, 0.5954



7.0529, 0.3180, 0.3515



19.8597, 0.3308, 0.5756



0.3180, 0.3649, 0.5485

Inverse Universe

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



4.2241, 0.2159, 0.0967



7.2706, 0.2134, 0.0949



8.7261, 0.3335, 0.1614



6.1873, 0.3071, 0.3066



3.5230, 0.2159, 0.0963



0.0742, 0.2611, 0.1212

Previews

White Background



This preview shows how the Yxy color 23.6876, 0.3306, 0.5751 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 23.6876, 0.3306, 0.5751 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 23.6876, 0.3306, 0.5751

Background



This preview shows how black text looks on a background with the Yxy color 23.6876, 0.3306, 0.5751.



This preview shows how white text looks on a background with the Yxy color 23.6876, 0.3306, 0.5751.

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

23.6876, 0.3306, 0.5751

Protanopia

23.2591, 0.4404, 0.4885

Deuteranopia

23.2361, 0.4599, 0.4519



Tritanopia

23.5233, 0.2542, 0.3068

Trichromacy



Original Color

23.6876, 0.3306, 0.5751

Protanomaly

22.7492, 0.3949, 0.5246

Deuteranomaly

22.2037, 0.4093, 0.5007

Tritanomaly

22.9265, 0.2934, 0.4255

Monochromacy



Original Color

23.6876, 0.3306, 0.5751

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

17.5423, 0.3358, 0.4477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6876, 0.3306, 0.5751 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(68, 152, 1)` looks like.

```
.text, #text, p{  
    color:rgb(68, 152, 1)  
}
```

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(68, 152, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 152, 1) }
```

Border

The CSS property to change the border of an element to Yxy 23.6876, 0.3306, 0.5751 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(68, 152, 1) }
```

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

```
.border{ border-color:rgb(68, 152, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 152, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 152, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 152, 1);  
box-shadow:4px 4px 4px 4px rgb(68, 152, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.6876, 0.3306, 0.5751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 152, 1) }
```

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

```
.background{ background-color: rgb(68, 152,  
1) }
```

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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