

Converting Colors

$Y_{xy}(23.4537, 0.3381, 0.5670)$

Have a look what the booklet for
Yxy(23.4537, 0.3381, 0.5670)
contains.

Yxy(23.3601, 0.3378, 0.5671)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.3601, 0.3378, 0.5671)

Conversions

Conversions Part 1

Format	Color
Hex	4C9605
RGB	76, 150, 5
RGB Percent	30%, 59%, 2%
CMY	0.7019, 0.4118, 0.9806
CMYK	0.49, 0.00, 0.97, 0.41
HSL	91°, 94%, 30%
HSV	91°, 97%, 59%
XYZ	13.9147, 23.3601, 3.9174
YIQ	111.3440, 2.4410, -60.7830

Conversions

Conversions Part 2

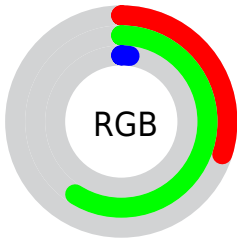
Format	Color
RYB	5, 150, 79
Decimal	5019141
CIELab	55.44, -44.42, 57.15
CIELCh	55, 72.380, 127.854
Yxy	23.3601, 0.3378, 0.5671
Android (android.graphics.Color)	4283209221 (0xFF4C9605)
YUV	111.3440, -52.4276, -30.9967
Hunter-Lab	48.3323, -33.1919, 29.0271

Details

The Yxy color **23.3601, 0.3378, 0.5671** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.9692, 0.2095, 0.0947**, and the grayscale version is **16.1565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0361, 0.3407, 0.5138**, and **8.7741, 0.3027, 0.5978** is the 20% darker color. If you saturate the color by 10%, you get **23.2488, 0.3363, 0.5711**, and if you desaturate by 10%, it is **23.7329, 0.3420, 0.5537**.

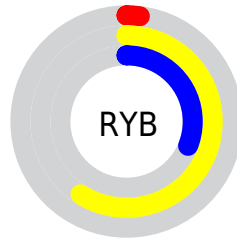
Distribution



Red (30%)

Green (59%)

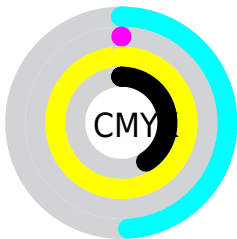
Blue (2%)



Red (2%)

Yellow (59%)

Blue (31%)

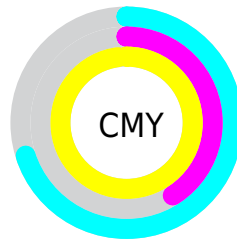


Cyan (49%)

Magenta (0%)

Yellow (97%)

Black (41%)



Cyan (70%)


Magenta (41%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3601, 0.3378, 0.5671 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 23.3601, 0.3378, 0.5671 by changing the saturation by 10% instead.


 23.3601, 0.3378,
0.5671


 23.3601, 0.3378,
0.5671


269.5692, 0.3352,
0.4299


 14.8596, 0.3312,
0.6045


 48.9839, 0.3412,
0.5138


 8.7209, 0.3202,
0.6589


 66.8761, 0.3410,
0.4947


 4.5596, 0.2873,
0.7127

 88.6676, 0.3402,
0.4789

 1.9913, 0.2135,
0.7865

 114.7428, 0.3393,
0.4658


 0.6024, 0.0000,
1.0000


 145.4862, 0.3383,
0.4547


 0.0000, 0.0000,
0.0000


 181.2822, 0.3372,

0.4452


 222.5150, 0.3362,
0.4370


 23.3601, 0.3378,
0.5671

 23.3601, 0.3378,
0.5671

 23.2488, 0.3363,
0.5711

 23.7329, 0.3420,
0.5537

 24.1745, 0.3444,
0.5353

 24.6939, 0.3447,
0.5121

 25.2965, 0.3431,
0.4855

 25.9872, 0.3397,
0.4568

■ 26.7704, 0.3351,
0.4274

■ 27.6501, 0.3295,
0.3985

■ 28.6300, 0.3234,
0.3709

■ 29.7137, 0.3170,
0.3451

Harmonies

Analogous

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



23.3601, 0.4439, 0.5151



23.3601, 0.3378, 0.5671



23.3601, 0.2311, 0.5079

Triad

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



23.3601, 0.3378, 0.5671



23.3601, 0.1256, 0.1745



23.3601, 0.4909, 0.2756

Complementary

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



23.3601, 0.3378, 0.5671



3.9692, 0.2095, 0.0947

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.



23.3601, 0.3651, 0.2127



23.3601, 0.3378, 0.5671



23.3601, 0.1644, 0.1573

Square

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



23.3601, 0.3378, 0.5671



23.3601, 0.1206, 0.2350



23.3601, 0.2438, 0.1712



23.3601, 0.5522, 0.3486

Rectangle

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



23.3601, 0.3378, 0.5671



23.3601, 0.1742, 0.4091



23.3601, 0.2438, 0.1712



23.3601, 0.4529, 0.2530

Sweetspot

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



23.3611, 0.3378, 0.5671



48.3315, 0.3311, 0.4067



11.8697, 0.5312, 0.4123



10.5778, 0.3333, 0.4179



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.



23.3611, 0.3378, 0.5671



40.9246, 0.3350, 0.5722



21.8560, 0.3002, 0.5966



6.5995, 0.3186, 0.3514



19.3006, 0.3369, 0.5707



0.2537, 0.3712, 0.5435

Inverse Universe

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



3.9692, 0.2095, 0.0947



6.5305, 0.2040, 0.0897



8.7937, 0.3209, 0.1556



5.7696, 0.3064, 0.3067



3.1373, 0.2066, 0.0912



0.0559, 0.2552, 0.1179

Previews

White Background



This preview shows how the Yxy color 23.3601, 0.3378, 0.5671 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 23.3601, 0.3378, 0.5671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

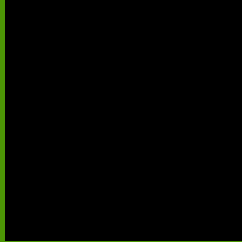
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3601, 0.3378, 0.5671

Background



This preview shows how black text looks on a background with the Yxy color 23.3601, 0.3378, 0.5671.



This preview shows how white text looks on a background with the Yxy color 23.3601, 0.3378, 0.5671.

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

23.3601, 0.3378, 0.5671

Protanopia

22.8921, 0.4405, 0.4884

Deuteranopia

22.8732, 0.4600, 0.4515



Tritanopia

23.1864, 0.2600, 0.3069

Trichromacy



Original Color

23.3601, 0.3378, 0.5671

Protanomaly

22.6072, 0.3980, 0.5211

Deuteranomaly

22.0947, 0.4122, 0.4966

Tritanomaly

22.6506, 0.2997, 0.4204

Monochromacy



Original Color

23.3601, 0.3378, 0.5671

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.7318, 0.3376, 0.4421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3601, 0.3378, 0.5671 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(76, 150, 5)` looks like.

```
.text, #text, p{  
    color:rgb(76, 150, 5)  
}
```

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(76, 150, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 150, 5) }
```

Border

The CSS property to change the border of an element to Yxy 23.3601, 0.3378, 0.5671 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(76, 150, 5) }
```

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

```
.border{ border-color:rgb(76, 150, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 150, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 150, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 150, 5);  
box-shadow:4px 4px 4px 4px rgb(76, 150, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.3601, 0.3378, 0.5671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 150, 5) }
```

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

```
.background{ background-color: rgb(76, 150,  
5) }
```

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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