

Converting Colors

$Y_{xy}(23.3652, 0.3151, 0.5880)$

Have a look what the booklet for
Yxy(23.3652, 0.3151, 0.5880)
contains.

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Color

Yxy(23.3633, 0.3151, 0.5880)

Conversions

Conversions Part 1

Format	Color
Hex	2E9900
RGB	46, 153, 0
RGB Percent	18%, 60%, 0%
CMY	0.8194, 0.4000, 0.9999
CMYK	0.70, 0.00, 1.00, 0.40
HSL	102°, 100%, 30%
HSV	102°, 100%, 60%
XYZ	12.5200, 23.3633, 3.8502
YIQ	103.5650, -14.6590, -70.2670

Conversions

Conversions Part 2

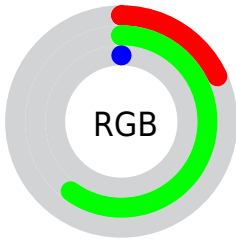
Format	Color
RYB	0, 153, 107
Decimal	3053824
CIELab	55.44, -53.55, 57.54
CIElCh	55, 78.597, 132.943
Yxy	23.3633, 0.3151, 0.5880
Android (android.graphics.Color)	4281243904 (0xFF2E9900)
YUV	103.5650, -51.0575, -50.4845
Hunter-Lab	48.3356, -38.3517, 29.1122

Details

The Yxy color **23.3633, 0.3151, 0.5880** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.4243, 0.2471, 0.1135**, and the grayscale version is **13.8686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8052, 0.3243, 0.5281**, and **9.1143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **23.3637, 0.3151, 0.5880**, and if you desaturate by 10%, it is **23.6801, 0.3194, 0.5751**.

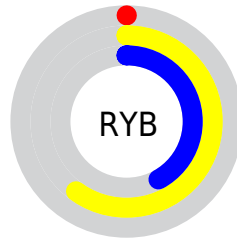
Distribution



Red (18%)

Green (60%)

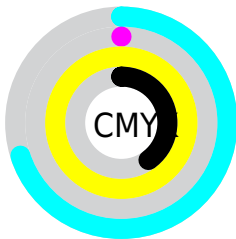
Blue (0%)



Red (0%)

Yellow (60%)

Blue (42%)

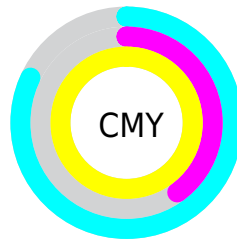


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (82%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3633, 0.3151, 0.5880 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 23.3633, 0.3151, 0.5880 by changing the saturation by 10% instead.


 23.3633, 0.3151,
0.5880


 23.3633, 0.3151,
0.5880

269.5855, 0.3263,
0.4365


 14.8620, 0.3042,
0.6303


 48.9892, 0.3241,
0.5285


 8.7226, 0.2874,
0.6928


 66.8825, 0.3258,
0.5073

 4.5607, 0.2461,
0.7539

 88.6754, 0.3267,
0.4899

 1.9919, 0.1377,
0.8623

 114.7521, 0.3270,
0.4755

 0.6028, 0.0000,
1.0000


 145.4971, 0.3270,
0.4634


 0.0000, 0.0000,
0.0000


 181.2947, 0.3269,


0.4531


 222.5294, 0.3266,
0.4442

 23.3633, 0.3151,
0.5880


 23.3633, 0.3151,
0.5880


 23.3637, 0.3151,
0.5880

 23.6801, 0.3194,
0.5751

 24.0883, 0.3232,
0.5569

 24.6046, 0.3256,
0.5329

 25.2375, 0.3266,
0.5044

 25.9943, 0.3263,
0.4733

■ 26.8818, 0.3248,
0.4415

■ 27.9062, 0.3224,
0.4103

■ 29.0733, 0.3195,
0.3808

■ 30.3885, 0.3162,
0.3536

Harmonies

Analogous

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



23.3633, 0.4293, 0.5389



23.3633, 0.3151, 0.5880



23.3633, 0.2058, 0.5011

Triad

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



23.3633, 0.3151, 0.5880



23.3633, 0.1195, 0.1588



23.3633, 0.5234, 0.2828

Complementary

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



23.3633, 0.3151, 0.5880



5.4243, 0.2471, 0.1135

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.



23.3633, 0.3934, 0.2150



23.3633, 0.3151, 0.5880



23.3633, 0.1659, 0.1478

Square

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



23.3633, 0.3151, 0.5880



23.3633, 0.1081, 0.2116



23.3633, 0.2573, 0.1673



23.3633, 0.5704, 0.3590

Rectangle

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



23.3633, 0.3151, 0.5880



23.3633, 0.1517, 0.3857



23.3633, 0.2573, 0.1673



23.3633, 0.4861, 0.2588

Sweetspot

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



23.3643, 0.3151, 0.5880



49.8584, 0.3226, 0.4122



16.7856, 0.4875, 0.4511



10.8480, 0.3236, 0.4241



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.



23.3643, 0.3151, 0.5880



41.7569, 0.3139, 0.5890



22.8664, 0.2947, 0.5808



7.0112, 0.3159, 0.3517



19.3259, 0.3156, 0.5876



0.3063, 0.3469, 0.5628

Inverse Universe

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



5.4243, 0.2471, 0.1135



9.6120, 0.2457, 0.1127



8.2523, 0.3726, 0.1827



6.2303, 0.3092, 0.3067



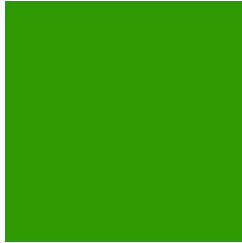
4.5001, 0.2476, 0.1138



0.0859, 0.2819, 0.1326

Previews

White Background



This preview shows how the Yxy color 23.3633, 0.3151, 0.5880 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 23.3633, 0.3151, 0.5880 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 23.3633, 0.3151, 0.5880

Background



This preview shows how black text looks on a background with the Yxy color 23.3633, 0.3151, 0.5880.



This preview shows how white text looks on a background with the Yxy color 23.3633, 0.3151, 0.5880.

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

23.3633, 0.3151, 0.5880

Protanopia

22.8921, 0.4405, 0.4884

Deuteranopia

22.8840, 0.4589, 0.4501



Tritanopia

23.2569, 0.2446, 0.3064

Trichromacy



Original Color

23.3633, 0.3151, 0.5880

Protanomaly

22.2009, 0.3851, 0.5324

Deuteranomaly

21.5197, 0.3976, 0.5085

Tritanomaly

22.5979, 0.2807, 0.4307

Monochromacy



Original Color

23.3633, 0.3151, 0.5880

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

16.1514, 0.3258, 0.4572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3633, 0.3151, 0.5880 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(46, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 153, 0)  
}
```

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(46, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.3633, 0.3151, 0.5880 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(46, 153, 0) }
```

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

```
.border{ border-color:rgb(46, 153, 0) }
```

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

Here you see how a box with a 4 pixel rgb(46, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(46, 153, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.3633, 0.3151, 0.5880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 153, 0) }
```

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

```
.background{ background-color: rgb(46, 153,  
0) }
```

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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