

Converting Colors

$Yxy(23.5963, 0.3407, 0.5677)$

Have a look what the booklet for
Yxy(23.5963, 0.3407, 0.5677)
contains.

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Color

Yxy(23.4750, 0.3414, 0.5671)

Conversions

Conversions Part 1

Format	Color
Hex	4F9600
RGB	79, 150, 0
RGB Percent	31%, 59%, 0%
CMY	0.6901, 0.4118, 0.9998
CMYK	0.47, 0.00, 1.00, 0.41
HSL	88°, 100%, 29%
HSV	88°, 100%, 59%
XYZ	14.1322, 23.4750, 3.7876
YIQ	111.6710, 5.8340, -61.7020

Conversions

Conversions Part 2

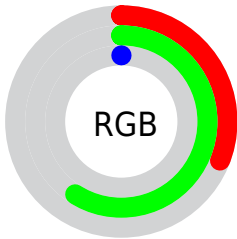
Format	Color
RYB	0, 150, 71
Decimal	5215744
CIELab	55.56, -43.55, 58.09
CIELCh	56, 72.603, 126.862
Yxy	23.4750, 0.3414, 0.5671
Android (android.graphics.Color)	4283405824 (0xFF4F9600)
YUV	111.6710, -55.0538, -28.6525
Hunter-Lab	48.4510, -32.7244, 29.2807

Details

The Yxy color **23.4750, 0.3414, 0.5671** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.5444, 0.1989, 0.0870**, and the grayscale version is **16.2685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2557, 0.3439, 0.5144**, and **8.8287, 0.3065, 0.5949** is the 20% darker color. If you saturate the color by 10%, you get **23.4747, 0.3414, 0.5671**, and if you desaturate by 10%, it is **23.8316, 0.3456, 0.5549**.

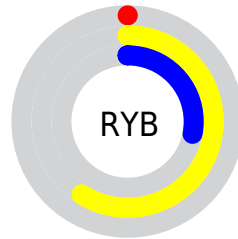
Distribution



Red (31%)

Green (59%)

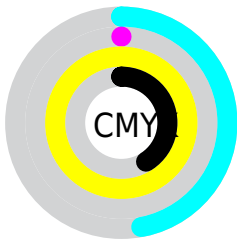
Blue (0%)



Red (0%)

Yellow (59%)

Blue (28%)

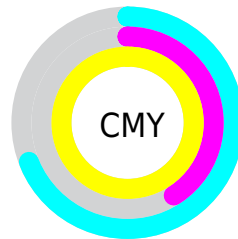


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (41%)



Cyan (69%)

Magenta (41%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4750, 0.3414, 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 23.4750, 0.3414, 0.5671 by changing the saturation by 10% instead.


 23.4750, 0.3414,
0.5671


 23.4750, 0.3414,
0.5671


270.1554, 0.3371,
0.4305


 14.9446, 0.3352,
0.6038


 49.1721, 0.3442,
0.5144

 8.7805, 0.3251,
0.6581


 67.1076, 0.3438,
0.4953


 4.5983, 0.2918,
0.7082

 88.9470, 0.3428,
0.4796

 2.0136, 0.2218,
0.7782

 115.0746, 0.3417,
0.4665


 0.6153, 0.0000,
1.0000

 145.8749, 0.3405,
0.4554

 0.0000, 0.0000,
0.0000

 181.7322, 0.3394,


0.4459


 223.0309, 0.3382,
0.4377

 23.4750, 0.3414,
0.5671


 23.4750, 0.3414,
0.5671


 23.4747, 0.3414,
0.5671

 23.8316, 0.3456,
0.5549

 24.2455, 0.3483,
0.5387

 24.7304, 0.3489,
0.5175

 25.2917, 0.3473,
0.4925

 25.9342, 0.3439,
0.4649

■ 26.6622, 0.3391,
0.4362

■ 27.4796, 0.3331,
0.4074

■ 28.3900, 0.3266,
0.3796

■ 29.3969, 0.3197,
0.3533

Harmonies

Analogous

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



23.4750, 0.4473, 0.5126



23.4750, 0.3414, 0.5671



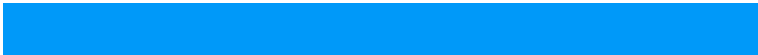
23.4750, 0.2342, 0.5123

Triad

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



23.4750, 0.3414, 0.5671



23.4750, 0.1247, 0.1756



23.4750, 0.4877, 0.2733

Complementary

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



23.4750, 0.3414, 0.5671



3.5444, 0.1989, 0.0870

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.



23.4750, 0.3607, 0.2108



23.4750, 0.3414, 0.5671



23.4750, 0.1624, 0.1572

Square

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



23.4750, 0.3414, 0.5671



23.4750, 0.1209, 0.2378



23.4750, 0.2404, 0.1702



23.4750, 0.5519, 0.3460

Rectangle

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



23.4750, 0.3414, 0.5671



23.4750, 0.1764, 0.4145



23.4750, 0.2404, 0.1702



23.4750, 0.4490, 0.2508

Sweetspot

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



23.4760, 0.3414, 0.5671



48.3995, 0.3335, 0.4092



10.8685, 0.5479, 0.4031



10.6012, 0.3359, 0.4201



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.



23.4760, 0.3414, 0.5671



41.3226, 0.3401, 0.5682



21.8456, 0.3009, 0.5992



6.6097, 0.3191, 0.3513



19.4885, 0.3419, 0.5667



0.2561, 0.3754, 0.5402

Inverse Universe

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



3.5444, 0.1989, 0.0870



6.1482, 0.1969, 0.0858



8.2233, 0.3127, 0.1497



5.7595, 0.3059, 0.3066



2.9565, 0.1996, 0.0873



0.0535, 0.2491, 0.1146

Previews

White Background



This preview shows how the Yxy color 23.4750, 0.3414, 0.5671 looks on a white background.

Color Contrast Check

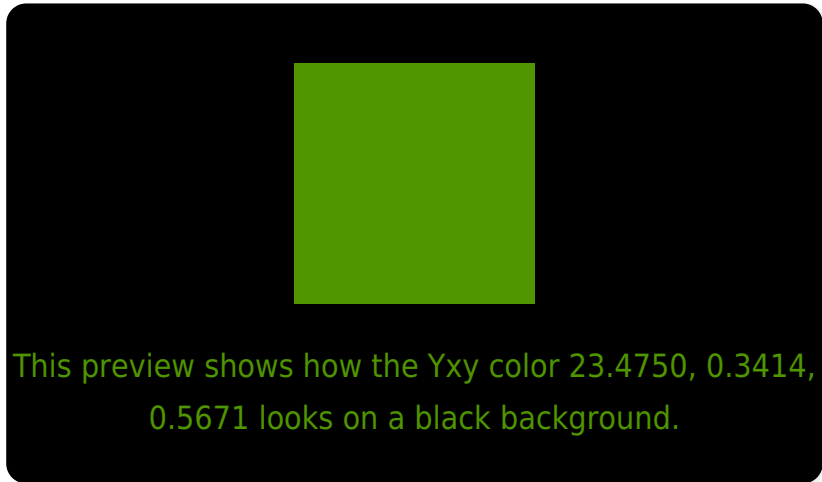
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 23.4750, 0.3414, 0.5671

Background



This preview shows how black text looks on a background with the Yxy color 23.4750, 0.3414, 0.5671.



This preview shows how white text looks on a background with the Yxy color 23.4750, 0.3414, 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

23.4750, 0.3414, 0.5671

Protanopia

23.1646, 0.4392, 0.4895

Deuteranopia

23.2309, 0.4604, 0.4526



Tritanopia

23.2963, 0.2617, 0.3070

Trichromacy



Original Color

23.4750, 0.3414, 0.5671

Protanomaly

22.7503, 0.4009, 0.5199

Deuteranomaly

22.5259, 0.4147, 0.4975

Tritanomaly

22.7136, 0.3034, 0.4241

Monochromacy



Original Color

23.4750, 0.3414, 0.5671

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

18.0860, 0.3407, 0.4448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4750, 0.3414, 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(79, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(79, 150, 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(79, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 150, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.4750, 0.3414, 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(79, 150, 0) }
```

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

```
.border{ border-color:rgb(79, 150, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 150, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(79, 150, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.4750, 0.3414, 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(79, 150, 0) }
```

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

```
.background{ background-color: rgb(79, 150,  
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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