

Converting Colors

$Yxy(23.8947, 0.3405, 0.5576)$

Have a look what the booklet for
Yxy(23.8947, 0.3405, 0.5576)
contains.

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Color

Yxy(23.9675, 0.3406, 0.5574)

Conversions

Conversions Part 1

Format	Color
Hex	529711
RGB	82, 151, 17
RGB Percent	32%, 59%, 7%
CMY	0.6786, 0.4078, 0.9332
CMYK	0.46, 0.00, 0.89, 0.41
HSL	91°, 80%, 33%
HSV	91°, 89%, 59%
XYZ	14.6454, 23.9675, 4.3859
YIQ	115.0930, 1.8900, -56.3020

Conversions

Conversions Part 2

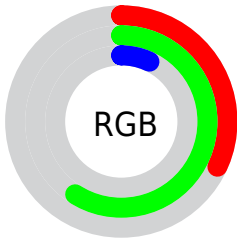
Format	Color
RYB	17, 151, 86
Decimal	5412625
CIELab	56.06, -42.53, 55.67
CIElCh	56, 70.059, 127.375
Yxy	23.9675, 0.3406, 0.5574
Android (android.graphics.Color)	4283602705 (0xFF529711)
YUV	115.0930, -48.3598, -29.0226
Hunter-Lab	48.9566, -32.2758, 28.9580

Details

The Yxy color **23.9675, 0.3406, 0.5574** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.6191, 0.2193, 0.1052**, and the grayscale version is **17.3227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0817, 0.3428, 0.5065**, and **9.0724, 0.3100, 0.5921** is the 20% darker color. If you saturate the color by 10%, you get **23.6030, 0.3362, 0.5702**, and if you desaturate by 10%, it is **24.4017, 0.3435, 0.5400**.

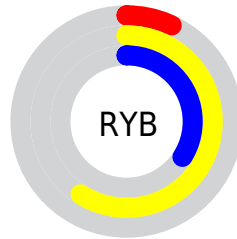
Distribution



Red (32%)

Green (59%)

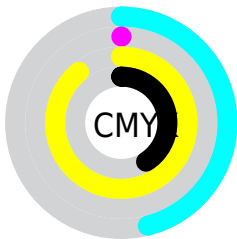
Blue (7%)



Red (7%)

Yellow (59%)

Blue (34%)

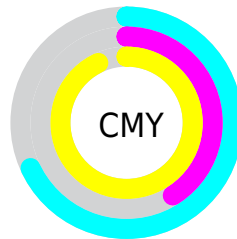


Cyan (46%)

Magenta (0%)

Yellow (89%)

Black (41%)



Cyan (68%)


Magenta (41%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9675, 0.3406, 0.5574 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 23.9675, 0.3406, 0.5574 by changing the saturation by 10% instead.


 23.9675, 0.3406,
0.5574


 23.9675, 0.3406,
0.5574


272.6561, 0.3355,
0.4262


 15.3095, 0.3354,
0.5933


 49.9772, 0.3426,
0.5065

 9.0369, 0.3251,
0.6426


 68.0976, 0.3420,
0.4882

 4.7653, 0.2988,
0.7012

 90.1410, 0.3411,
0.4731

 2.1102, 0.2358,
0.7642

 116.4918, 0.3399,
0.4606

 0.6704, 0.0000,
1.0000

 147.5343, 0.3388,
0.4500

 0.0000, 0.0000,
0.0000

 183.6529, 0.3377,

0.4409

225.2321, 0.3366,
0.4330

23.9675, 0.3406,
0.5574

23.9675, 0.3406,
0.5574

23.6030, 0.3362,
0.5702

24.4017, 0.3435,
0.5400

23.5593, 0.3356,
0.5717

24.9134, 0.3443,
0.5176

25.5094, 0.3431,
0.4914

26.1948, 0.3401,
0.4629

26.9740, 0.3358,
0.4335

■ 27.8513, 0.3304,
0.4044

■ 28.8307, 0.3245,
0.3764

■ 29.9157, 0.3182,
0.3502

■ 31.1099, 0.3119,
0.3260

Harmonies

Analogous

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



23.9675, 0.4432, 0.5093



23.9675, 0.3406, 0.5574



23.9675, 0.2365, 0.5014

Triad

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



23.9675, 0.3406, 0.5574



23.9675, 0.1304, 0.1801



23.9675, 0.4824, 0.2769

Complementary

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



23.9675, 0.3406, 0.5574



4.6191, 0.2193, 0.1052

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.



23.9675, 0.3614, 0.2156



23.9675, 0.3406, 0.5574



23.9675, 0.1680, 0.1623

Square

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



23.9675, 0.3406, 0.5574



23.9675, 0.1263, 0.2404



23.9675, 0.2449, 0.1753



23.9675, 0.5434, 0.3486

Rectangle

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



23.9675, 0.3406, 0.5574



23.9675, 0.1805, 0.4084



23.9675, 0.2449, 0.1753



23.9675, 0.4456, 0.2548

Sweetspot

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



23.9685, 0.3406, 0.5574



50.0694, 0.3297, 0.4010



12.9649, 0.5142, 0.4157



11.2632, 0.3315, 0.4100



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.



23.9685, 0.3406, 0.5574



42.0793, 0.3343, 0.5728



22.2958, 0.3006, 0.5878



7.0651, 0.3185, 0.3515



20.0572, 0.3360, 0.5714



0.3214, 0.3697, 0.5447

Inverse Universe

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



4.6191, 0.2193, 0.1052



6.7793, 0.2049, 0.0903



9.2168, 0.3207, 0.1593



6.1750, 0.3064, 0.3066



3.2894, 0.2075, 0.0917



0.0708, 0.2546, 0.1176

Previews

White Background



This preview shows how the Yxy color 23.9675, 0.3406, 0.5574 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 23.9675, 0.3406, 0.5574 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 23.9675, 0.3406, 0.5574

Background



This preview shows how black text looks on a background with the Yxy color 23.9675, 0.3406, 0.5574.



This preview shows how white text looks on a background with the Yxy color 23.9675, 0.3406, 0.5574.

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

23.9675, 0.3406, 0.5574

Protanopia

23.6514, 0.4381, 0.4854

Deuteranopia

23.6191, 0.4581, 0.4503



Tritanopia

23.7899, 0.2636, 0.3073

Trichromacy



Original Color

23.9675, 0.3406, 0.5574

Protanomaly

23.2208, 0.3996, 0.5139

Deuteranomaly

23.0105, 0.4125, 0.4910

Tritanomaly

23.3055, 0.3001, 0.4105

Monochromacy



Original Color

23.9675, 0.3406, 0.5574

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.8864, 0.3356, 0.4304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9675, 0.3406, 0.5574 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(82, 151, 17)` looks like.

```
.text, #text, p{  
    color:rgb(82, 151, 17)  
}
```

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(82, 151, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 151, 17) }
```

Border

The CSS property to change the border of an element to Yxy 23.9675, 0.3406, 0.5574 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(82, 151, 17) }
```

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

```
.border{ border-color:rgb(82, 151, 17) }
```

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

Here you see how a box with a 4 pixel rgb(82, 151, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 151, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 151, 17);  
box-shadow:4px 4px 4px 4px rgb(82, 151,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9675, 0.3406, 0.5574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 151, 17) }
```

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

```
.background{ background-color: rgb(82, 151,  
17) }
```

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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