

Converting Colors

$Y_{xy}(24.8971, 0.3585, 0.6267)$

Have a look what the booklet for
Yxy(24.8971, 0.3585, 0.6267)
contains.

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Color

Yxy(25.0624, 0.3380, 0.5699)

Conversions

Conversions Part 1

Format	Color
Hex	4E9B00
RGB	78, 155, 0
RGB Percent	31%, 61%, 0%
CMY	0.6940, 0.3922, 1.0000
CMYK	0.50, 0.00, 1.00, 0.39
HSL	90°, 100%, 30%
HSV	90°, 100%, 61%
XYZ	14.8642, 25.0624, 4.0503
YIQ	114.3070, 3.8630, -64.5290

Conversions

Conversions Part 2

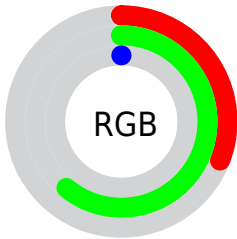
Format	Color
RYB	0, 155, 77
Decimal	5151488
CIELab	57.14, -45.86, 59.33
CIELCh	57, 74.990, 127.700
Yxy	25.0624, 0.3380, 0.5699
Android (android.graphics.Color)	4283341568 (0xFF4E9B00)
YUV	114.3070, -56.3534, -31.8412
Hunter-Lab	50.0624, -34.6101, 30.2468

Details

The Yxy color **25.0624, 0.3380, 0.5699** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.9434, 0.2030, 0.0892**, and the grayscale version is **17.0988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6990, 0.3417, 0.5169**, and **9.7457, 0.3029, 0.5977** is the 20% darker color. If you saturate the color by 10%, you get **25.0637, 0.3380, 0.5698**, and if you desaturate by 10%, it is **25.4442, 0.3424, 0.5577**.

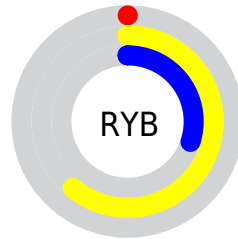
Distribution



Red (31%)

Green (61%)

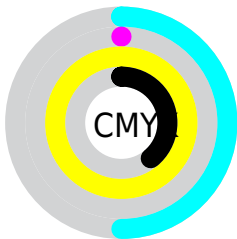
Blue (0%)



Red (0%)

Yellow (61%)

Blue (30%)

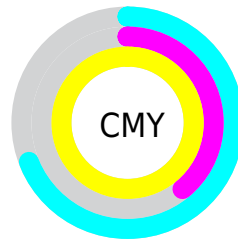


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (39%)



Cyan (69%)


Magenta (39%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0624, 0.3380, 0.5699 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 25.0624, 0.3380, 0.5699 by changing the saturation by 10% instead.


 25.0624, 0.3380,
0.5699


 25.0624, 0.3380,
0.5699


278.1486, 0.3359,
0.4327

 16.1236, 0.3314,
0.6065


 51.7584, 0.3416,
0.5172

 9.6116, 0.3198,
0.6577


 70.2844, 0.3415,
0.4981


 5.1422, 0.2890,
0.7110

 92.7749, 0.3408,
0.4823

 2.3309, 0.2268,
0.7732

 119.6143, 0.3399,
0.4690

 0.7900, 0.0000,
1.0000


 151.1869, 0.3389,
0.4578


 0.0000, 0.0000,
0.0000


 187.8773, 0.3379,


0.4482


 230.0697, 0.3369,
0.4399

 25.0624, 0.3380,
0.5699


 25.0624, 0.3380,
0.5699

 25.0637, 0.3380,
0.5698

 25.4442, 0.3424,
0.5577

 25.8911, 0.3454,
0.5412

 26.4177, 0.3463,
0.5197

 27.0303, 0.3452,
0.4943

 27.7342, 0.3421,
0.4663

■ 28.5341, 0.3376,
0.4371

■ 29.4345, 0.3321,
0.4080

■ 30.4395, 0.3259,
0.3799

■ 31.5529, 0.3193,
0.3535

Harmonies

Analogous

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



25.0624, 0.4451, 0.5160



25.0624, 0.3380, 0.5699



25.0624, 0.2305, 0.5111

Triad

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



25.0624, 0.3380, 0.5699



25.0624, 0.1240, 0.1732



25.0624, 0.4924, 0.2746

Complementary

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



25.0624, 0.3380, 0.5699



3.9434, 0.2030, 0.0892

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.



25.0624, 0.3649, 0.2114



25.0624, 0.3380, 0.5699



25.0624, 0.1628, 0.1559

Square

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



25.0624, 0.3380, 0.5699



25.0624, 0.1191, 0.2342



25.0624, 0.2425, 0.1697



25.0624, 0.5546, 0.3478

Rectangle

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



25.0624, 0.3380, 0.5699



25.0624, 0.1730, 0.4109



25.0624, 0.2425, 0.1697



25.0624, 0.4538, 0.2518

Sweetspot

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



25.0637, 0.3380, 0.5698



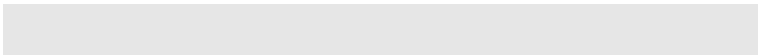
52.6140, 0.3324, 0.4097



11.9896, 0.5436, 0.4066



11.7616, 0.3347, 0.4211



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



25.0637, 0.3380, 0.5698



44.7736, 0.3367, 0.5709



23.4597, 0.3004, 0.5997



7.0707, 0.3188, 0.3515



20.1538, 0.3386, 0.5694



0.3229, 0.3718, 0.5430

Inverse Universe

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



3.9434, 0.2030, 0.0892



6.9501, 0.2011, 0.0881



9.0824, 0.3168, 0.1519



6.1694, 0.3062, 0.3065



3.1900, 0.2038, 0.0896



0.0693, 0.2516, 0.1160

Previews

White Background



This preview shows how the Yxy color 25.0624, 0.3380, 0.5699 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 25.0624, 0.3380, 0.5699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

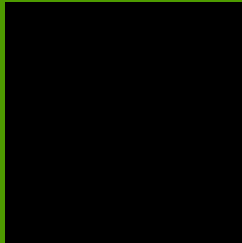
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0624, 0.3380, 0.5699

Background



This preview shows how black text looks on a background with the Yxy color 25.0624, 0.3380, 0.5699.



This preview shows how white text looks on a background with the Yxy color 25.0624, 0.3380, 0.5699.

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

25.0624, 0.3380, 0.5699

Protanopia

24.7613, 0.4398, 0.4890

Deuteranopia

24.5755, 0.4611, 0.4510



Tritanopia

24.9995, 0.2598, 0.3076

Trichromacy



Original Color

25.0624, 0.3380, 0.5699

Protanomaly

24.3821, 0.3979, 0.5223

Deuteranomaly

23.6307, 0.4146, 0.4974

Tritanomaly

24.3048, 0.3007, 0.4260

Monochromacy



Original Color

25.0624, 0.3380, 0.5699

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.9483, 0.3387, 0.4451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0624, 0.3380, 0.5699 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(78, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(78, 155, 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(78, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 155, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.0624, 0.3380, 0.5699 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(78, 155, 0) }
```

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

```
.border{ border-color:rgb(78, 155, 0) }
```

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

Here you see how a box with a 4 pixel rgb(78, 155, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(78, 155, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.0624, 0.3380, 0.5699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 155, 0) }
```

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

```
.background{ background-color: rgb(78, 155,  
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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