

Converting Colors

$Y_{xy}(24.2555, 0.3358, 0.5716)$

Have a look what the booklet for
Yxy(24.2555, 0.3358, 0.5716)
contains.

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Color

Yxy(24.2383, 0.3354, 0.5719)

Conversions

Conversions Part 1

Format	Color
Hex	4A9900
RGB	74, 153, 0
RGB Percent	29%, 60%, 0%
CMY	0.7098, 0.4000, 1.0000
CMYK	0.52, 0.00, 1.00, 0.40
HSL	91°, 100%, 30%
HSV	91°, 100%, 60%
XYZ	14.2149, 24.2383, 3.9288
YIQ	111.9370, 2.0290, -64.3310

Conversions

Conversions Part 2

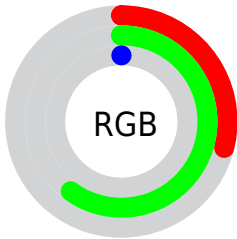
Format	Color
RYB	0, 153, 79
Decimal	4888832
CIELab	56.33, -46.35, 58.61
CIELCh	56, 74.720, 128.335
Yxy	24.2383, 0.3354, 0.5719
Android (android.graphics.Color)	4283078912 (0xFF4A9900)
YUV	111.9370, -55.1849, -33.2707
Hunter-Lab	49.2324, -34.6182, 29.7313

Details

The Yxy color **24.2383, 0.3354, 0.5719** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.9627, 0.2070, 0.0914**, and the grayscale version is **16.3486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3792, 0.3398, 0.5184**, and **9.3074, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **24.2393, 0.3354, 0.5719**, and if you desaturate by 10%, it is **24.6082, 0.3399, 0.5595**.

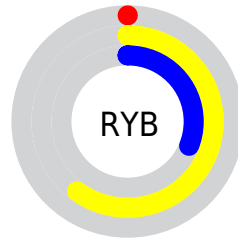
Distribution



Red (29%)

Green (60%)

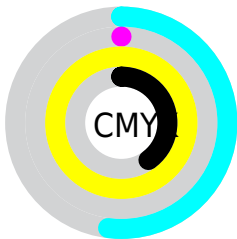
Blue (0%)



Red (0%)

Yellow (60%)

Blue (31%)

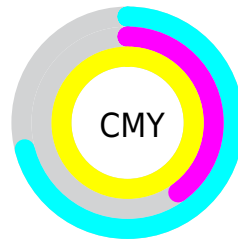


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (71%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2383, 0.3354, 0.5719 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 24.2383, 0.3354, 0.5719 by changing the saturation by 10% instead.


 24.2383, 0.3354,
0.5719


 24.2383, 0.3354,
0.5719


274.0230, 0.3347,
0.4326


 15.5105, 0.3282,
0.6095


 50.4188, 0.3396,
0.5181


 9.1784, 0.3163,
0.6634


 68.6403, 0.3397,
0.4986

 4.8578, 0.2829,
0.7171

 90.7951, 0.3392,
0.4826

 2.1640, 0.2132,
0.7868

 117.2676, 0.3384,
0.4692


 0.7003, 0.0000,
1.0000


 148.4423, 0.3375,
0.4579

 0.0000, 0.0000,
0.0000


 184.7035, 0.3366,


0.4482


 226.4356, 0.3356,
0.4398


 24.2383, 0.3354,
0.5719


 24.2383, 0.3354,
0.5719

 24.2393, 0.3354,
0.5719

 24.6082, 0.3399,
0.5595

 25.0440, 0.3431,
0.5427

 25.5601, 0.3442,
0.5209

 26.1624, 0.3433,
0.4952

 26.8564, 0.3405,
0.4669

■ 27.6469, 0.3363,
0.4375

■ 28.5381, 0.3311,
0.4082

■ 29.5343, 0.3252,
0.3800

■ 30.6392, 0.3190,
0.3535

Harmonies

Analogous

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



24.2383, 0.4433, 0.5186



24.2383, 0.3354, 0.5719



24.2383, 0.2276, 0.5100

Triad

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



24.2383, 0.3354, 0.5719



24.2383, 0.1235, 0.1716



24.2383, 0.4960, 0.2756

Complementary

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



24.2383, 0.3354, 0.5719



3.9627, 0.2070, 0.0914

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.



24.2383, 0.3681, 0.2118



24.2383, 0.3354, 0.5719



24.2383, 0.1632, 0.1550

Square

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



24.2383, 0.3354, 0.5719



24.2383, 0.1178, 0.2315



24.2383, 0.2442, 0.1695



24.2383, 0.5565, 0.3492

Rectangle

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



24.2383, 0.3354, 0.5719



24.2383, 0.1705, 0.4080



24.2383, 0.2442, 0.1695



24.2383, 0.4575, 0.2527

Sweetspot

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



24.2393, 0.3354, 0.5719



51.0061, 0.3315, 0.4099



12.0110, 0.5386, 0.4106



11.1230, 0.3335, 0.4211



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.



24.2393, 0.3354, 0.5719



43.2980, 0.3341, 0.5730



22.7837, 0.3000, 0.6000



7.0648, 0.3185, 0.3515



20.0521, 0.3359, 0.5715



0.3213, 0.3695, 0.5448

Inverse Universe

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



3.9627, 0.2070, 0.0914



6.9852, 0.2051, 0.0903



9.0727, 0.3209, 0.1542



6.1753, 0.3065, 0.3066



3.2949, 0.2077, 0.0918



0.0709, 0.2548, 0.1177

Previews

White Background



This preview shows how the Yxy color 24.2383, 0.3354, 0.5719 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 24.2383, 0.3354, 0.5719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

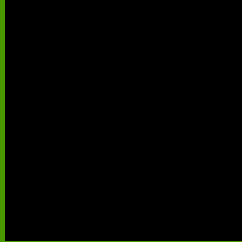
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2383, 0.3354, 0.5719

Background



This preview shows how black text looks on a background with the Yxy color 24.2383, 0.3354, 0.5719.



This preview shows how white text looks on a background with the Yxy color 24.2383, 0.3354, 0.5719.

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

24.2383, 0.3354, 0.5719

Protanopia

24.0033, 0.4401, 0.4888

Deuteranopia

23.7127, 0.4608, 0.4516



Tritanopia

24.1120, 0.2577, 0.3072

Trichromacy



Original Color

24.2383, 0.3354, 0.5719

Protanomaly

23.6311, 0.3976, 0.5225

Deuteranomaly

22.7272, 0.4119, 0.4990

Tritanomaly

23.4658, 0.2979, 0.4259

Monochromacy



Original Color

24.2383, 0.3354, 0.5719

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

18.2303, 0.3378, 0.4474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2383, 0.3354, 0.5719 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(74, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(74, 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(74, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 153, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.2383, 0.3354, 0.5719 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(74, 153, 0) }
```

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

```
.border{ border-color:rgb(74, 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(74, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(74, 153, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.2383, 0.3354, 0.5719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 153, 0) }
```

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

```
.background{ background-color: rgb(74, 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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