

Converting Colors

$Y_{xy}(9.5076, 0.3359, 0.5715)$

Have a look what the booklet for
Yxy(9.5076, 0.3359, 0.5715)
contains.

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Color

$Y_{xy}(9.5045, 0.3360, 0.5714)$

Conversions

Conversions Part 1

Format	Color
Hex	2E6300
RGB	46, 99, 0
RGB Percent	18%, 39%, 0%
CMY	0.8196, 0.6118, 0.9999
CMYK	0.54, 0.00, 1.00, 0.61
HSL	92°, 100%, 19%
HSV	92°, 100%, 39%
XYZ	5.5889, 9.5045, 1.5403
YIQ	71.8670, 0.1910, -42.0250

Conversions

Conversions Part 2

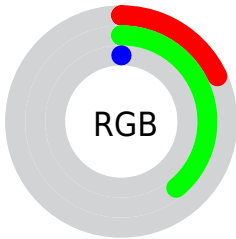
Format	Color
RYB	0, 99, 53
Decimal	3040000
CIELab	36.94, -33.75, 42.90
CIELCh	37, 54.586, 128.191
Yxy	9.5045, 0.3360, 0.5714
Android (android.graphics.Color)	4281230080 (0xFF2E6300)
YUV	71.8670, -35.4304, -22.6854
Hunter-Lab	30.8294, -21.5919, 18.6183

Details

The Yxy color **9.5045, 0.3360, 0.5714** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.6582, 0.2150, 0.0958**, and the grayscale version is **6.5193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.7607, 0.3405, 0.5021**, and **2.3677, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **9.5047, 0.3360, 0.5714**, and if you desaturate by 10%, it is **9.6574, 0.3391, 0.5553**.

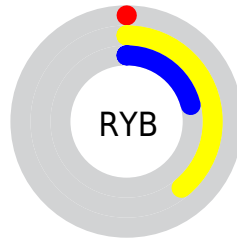
Distribution



Red (18%)

Green (39%)

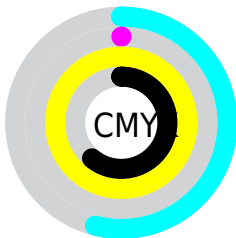
Blue (0%)



Red (0%)

Yellow (39%)

Blue (21%)

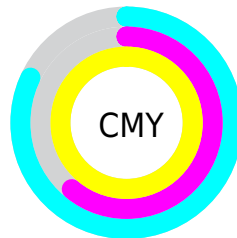


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (61%)



Cyan (82%)


Magenta (61%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 9.5045, 0.3360, 0.5714 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 9.5045, 0.3360, 0.5714 by changing the saturation by 10% instead.


 9.5045, 0.3360,
0.5714


 9.5045, 0.3360,
0.5714


 187.0981, 0.3322,
0.4139


 5.0717, 0.3313,
0.6376

 24.8593, 0.3402,
0.5032


 2.2894, 0.2963,
0.7037


 36.5500, 0.3395,
0.4809

 0.7681, 0.0000,
1.0000

 51.4288, 0.3383,
0.4635


 0.0000, 0.0000,
0.0000


 69.8801, 0.3370,
0.4496


 92.2883, 0.3357,
0.4382


 119.0378, 0.3345,


0.4287


 150.5129, 0.3333,
0.4207


 9.5045, 0.3360,
0.5714


 9.5045, 0.3360,
0.5714

 9.5047, 0.3360,
0.5714

 9.6574, 0.3391,
0.5553

 9.8321, 0.3415,
0.5371

 10.0373, 0.3421,
0.5146

 10.2751, 0.3410,
0.4888

 10.5473, 0.3382,
0.4611

■ 10.8556, 0.3343,
0.4326

■ 11.2014, 0.3295,
0.4046

■ 11.5862, 0.3241,
0.3776

■ 12.0113, 0.3185,
0.3523

Harmonies

Analogous

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



9.5045, 0.4444, 0.5188



9.5045, 0.3360, 0.5714



9.5045, 0.2283, 0.5103

Triad

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



9.5045, 0.3360, 0.5714



9.5045, 0.1236, 0.1720



9.5045, 0.4951, 0.2754

Complementary

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



9.5045, 0.3360, 0.5714



1.6582, 0.2150, 0.0958

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.



9.5045, 0.3673, 0.2117



9.5045, 0.3360, 0.5714



9.5045, 0.1631, 0.1552

Square

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



9.5045, 0.3360, 0.5714



9.5045, 0.1181, 0.2322



9.5045, 0.2438, 0.1696



9.5045, 0.5560, 0.3489

Rectangle

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



9.5045, 0.3360, 0.5714



9.5045, 0.1711, 0.4087



9.5045, 0.2438, 0.1696



9.5045, 0.4566, 0.2525

Sweetspot

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



9.5049, 0.3360, 0.5714



19.1609, 0.3299, 0.4070



5.1814, 0.5231, 0.4228



4.5133, 0.3314, 0.4149



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



9.5049, 0.3360, 0.5714



16.2455, 0.3341, 0.5729



8.9312, 0.2988, 0.5956



2.9073, 0.3178, 0.3496



12.3662, 0.3350, 0.5722



65.5478, 0.3308, 0.5755

Inverse Universe

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



1.6582, 0.2150, 0.0958



2.7835, 0.2123, 0.0943



3.4920, 0.3289, 0.1586



2.5747, 0.3073, 0.3085



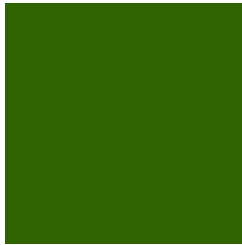
2.1370, 0.2136, 0.0950



10.8876, 0.2078, 0.0919

Previews

White Background



This preview shows how the Yxy color 9.5045, 0.3360, 0.5714 looks on a white background.

Color Contrast Check

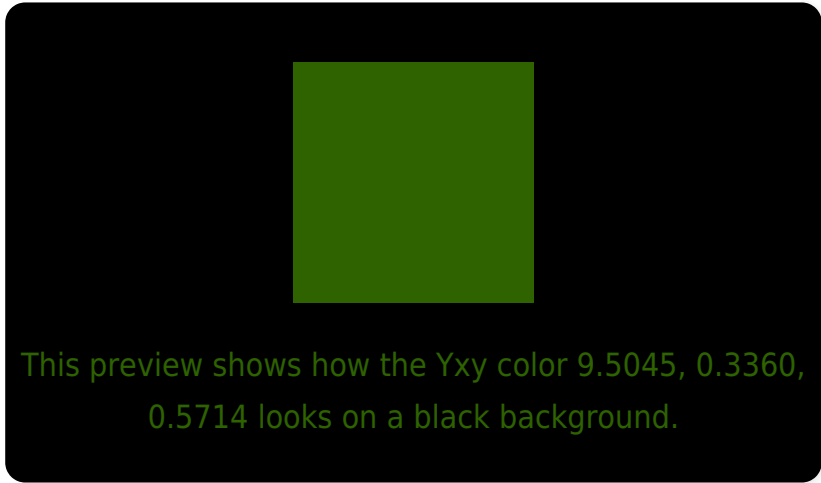
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 9.5045, 0.3360, 0.5714

Background



This preview shows how black text looks on a background with the Yxy color 9.5045, 0.3360, 0.5714.



This preview shows how white text looks on a background with the Yxy color 9.5045, 0.3360, 0.5714.

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

9.5045, 0.3360, 0.5714

Protanopia

9.4131, 0.4392, 0.4895

Deuteranopia

9.3363, 0.4554, 0.4499



Tritanopia

9.5158, 0.2589, 0.3102

Trichromacy



Original Color

9.5045, 0.3360, 0.5714

Protanomaly

9.1444, 0.3979, 0.5223

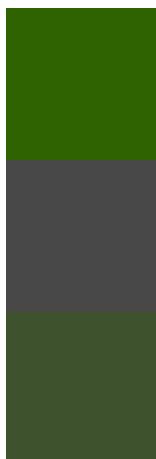
Deuteranomaly

8.9869, 0.4086, 0.4962

Tritanomaly

9.3555, 0.2973, 0.4237

Monochromacy



Original Color

9.5045, 0.3360, 0.5714

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.2886, 0.3360, 0.4405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 9.5045, 0.3360, 0.5714 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, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(46, 99, 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, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 99, 0) }
```

Border

The CSS property to change the border of an element to Yxy 9.5045, 0.3360, 0.5714 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, 99, 0) }
```

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

```
.border{ border-color:rgb(46, 99, 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, 99, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 99, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(46, 99, 0); box-shadow:4px  
4px 4px 4px rgb(46, 99, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 9.5045, 0.3360, 0.5714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 99, 0) }
```

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

```
.background{ background-color: rgb(46, 99,  
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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