

Converting Colors

$Y_{xy}(19.4973, 0.3555, 0.5081)$

Have a look what the booklet for
Yxy(19.4973, 0.3555, 0.5081)
contains.

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Color

Yxy(19.4290, 0.3560, 0.5075)

Conversions

Conversions Part 1

Format	Color
Hex	60852A
RGB	96, 133, 42
RGB Percent	38%, 52%, 16%
CMY	0.6236, 0.4784, 0.8351
CMYK	0.28, 0.00, 0.68, 0.48
HSL	84°, 52%, 34%
HSV	84°, 68%, 52%
XYZ	13.6290, 19.4290, 5.2257
YIQ	111.5630, 7.1590, -36.1450

Conversions

Conversions Part 2

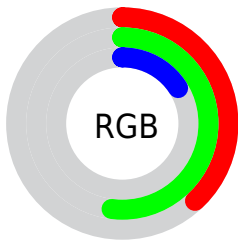
Format	Color
R_{YB}	42, 133, 79
Decimal	6325546
CIE _{Lab}	51.19, -27.89, 43.16
CIE _{LCh}	51, 51.381, 122.871
Yxy	19.4290, 0.3560, 0.5075
Android (android.graphics.Color)	4284515626 (0xFF60852A)
YUV	111.5630, -34.2946, -13.6488
Hunter-Lab	44.0783, -21.9449, 23.8257

Details

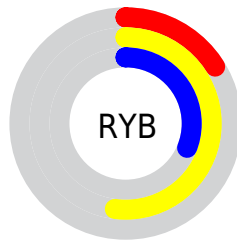
The Yxy color **19.4290, 0.3560, 0.5075** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.0168, 0.2301, 0.1392**, and the grayscale version is **16.1701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2801, 0.3513, 0.4658**, and **6.7444, 0.3479, 0.5620** is the 20% darker color. If you saturate the color by 10%, you get **19.0663, 0.3568, 0.5283**, and if you desaturate by 10%, it is **19.8452, 0.3530, 0.4832**.

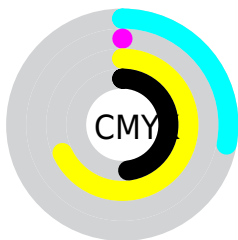
Distribution



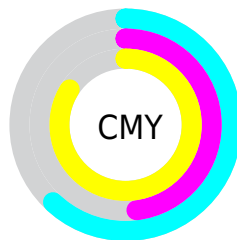
- Red (38%)
- Green (52%)
- Blue (16%)



- Red (16%)
- Yellow (52%)
- Blue (31%)



- Cyan (28%)
- Magenta (0%)
- Yellow (68%)
- Black (48%)





- Cyan (62%)
- Magenta (48%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4290, 0.3560, 0.5075 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 19.4290, 0.3560, 0.5075 by changing the saturation by 10% instead.


 19.4290, 0.3560,
0.5075


 19.4290, 0.3560,
0.5075


248.8070, 0.3372,
0.4024


 11.9807, 0.3571,
0.5386


 42.4578, 0.3510,
0.4654

 6.7305, 0.3548,
0.5811


 58.8070, 0.3484,
0.4507

 3.2941, 0.3488,
0.6512

 78.8920, 0.3460,
0.4388

 1.2872, 0.2782,
0.7218

 103.0971, 0.3439,
0.4290

 0.1312, 0.0000,
1.0000

 131.8067, 0.3419,
0.4207

 0.0000, 0.0000,
0.0000

 165.4054, 0.3402,

0.4137

204.2773, 0.3386,
0.4077

■ 19.4290, 0.3560,
0.5075

■ 19.4290, 0.3560,
0.5075

■ 19.0663, 0.3568,
0.5283

■ 19.8452, 0.3530,
0.4832

■ 18.7510, 0.3554,
0.5446

■ 20.3157, 0.3483,
0.4567

■ 18.4756, 0.3523,
0.5569

■ 20.8440, 0.3421,
0.4291

■ 18.4334, 0.3518,
0.5589

■ 21.4330, 0.3350,
0.4014

■ 22.0851, 0.3273,
0.3745

■ 22.8025, 0.3194,
0.3490

■ 23.5874, 0.3115,
0.3253

■ 24.4420, 0.3038,
0.3035

■ 25.3680, 0.2964,
0.2836

Harmonies

Analogous

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



19.4290, 0.4378, 0.4731



19.4290, 0.3560, 0.5075



19.4290, 0.2677, 0.4716

Triad

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



19.4290, 0.3560, 0.5075



19.4290, 0.1573, 0.2131



19.4290, 0.4345, 0.2802

Complementary

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



19.4290, 0.3560, 0.5075



5.0168, 0.2301, 0.1392

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.



19.4290, 0.3378, 0.2290



19.4290, 0.3560, 0.5075



19.4290, 0.1860, 0.1906

Square

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



19.4290, 0.3560, 0.5075



19.4290, 0.1598, 0.2728



19.4290, 0.2471, 0.1973



19.4290, 0.4941, 0.3427

Rectangle

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



19.4290, 0.3560, 0.5075



19.4290, 0.2170, 0.4081



19.4290, 0.2471, 0.1973



19.4290, 0.4042, 0.2615

Sweetspot

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



19.4299, 0.3560, 0.5075



39.1749, 0.3297, 0.3827



10.6637, 0.4743, 0.3937



8.7645, 0.3315, 0.3889



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



19.4299, 0.3560, 0.5075



33.8225, 0.3564, 0.5378



17.6510, 0.3094, 0.5366



5.3310, 0.3199, 0.3509



17.5618, 0.3519, 0.5588



0.0651, 0.3826, 0.5344

Inverse Universe

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



5.0168, 0.2301, 0.1392



6.1510, 0.2081, 0.1049



7.6305, 0.3040, 0.1736



4.6302, 0.3050, 0.3070



2.3677, 0.1884, 0.0812



0.0123, 0.2377, 0.1083

Previews

White Background



This preview shows how the Yxy color 19.4290, 0.3560, 0.5075 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 19.4290, 0.3560, 0.5075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

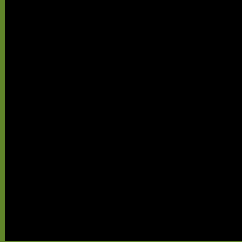
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4290, 0.3560, 0.5075

Background



This preview shows how black text looks on a background with the Yxy color 19.4290, 0.3560, 0.5075.



This preview shows how white text looks on a background with the Yxy color 19.4290, 0.3560, 0.5075.

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

19.4290, 0.3560, 0.5075

Protanopia

19.2998, 0.4212, 0.4650

Deuteranopia

19.2835, 0.4410, 0.4352



Tritanopia

19.3247, 0.2837, 0.3098

Trichromacy



Original Color

19.4290, 0.3560, 0.5075

Protanomaly

19.1399, 0.3958, 0.4816

Deuteranomaly

18.9416, 0.4090, 0.4608

Tritanomaly

19.0614, 0.3137, 0.3822

Monochromacy



Original Color

19.4290, 0.3560, 0.5075

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.1852, 0.3333, 0.3983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4290, 0.3560, 0.5075 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(96, 133, 42)` looks like.

```
.text, #text, p{  
    color:rgb(96, 133, 42)  
}
```

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(96, 133, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 133, 42) }
```

Border

The CSS property to change the border of an element to Yxy 19.4290, 0.3560, 0.5075 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(96, 133, 42) }
```

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

```
.border{ border-color:rgb(96, 133, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 133, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 133, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 133, 42);  
box-shadow:4px 4px 4px 4px rgb(96, 133,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4290, 0.3560, 0.5075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 133, 42) }
```

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

```
.background{ background-color: rgb(96, 133,  
42) }
```

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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