

Converting Colors

Yxy(51.6397, 0.4468, 0.4639)

Have a look what the booklet for
Yxy(51.6397, 0.4468, 0.4639)
contains.

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Color

Yxy(51.6460, 0.4468, 0.4640)

Conversions

Conversions Part 1

Format	Color
Hex	E3BA2E
RGB	227, 186, 46
RGB Percent	89%, 73%, 18%
CMY	0.1098, 0.2706, 0.8197
CMYK	0.00, 0.18, 0.80, 0.11
HSL	46°, 76%, 54%
HSV	46°, 80%, 89%
XYZ	49.7315, 51.6460, 9.9285
YIQ	182.2990, 69.3760, -34.8480

Conversions

Conversions Part 2

Format	Color
R_{YB}	99, 227, 46
Decimal	14924334
CIE _{Lab}	77.07, 1.75, 70.44
CIE _{LCh}	77, 70.465, 88.581
Yxy	51.6460, 0.4468, 0.4640
Android (android.graphics.Color)	4293114414 (0xFFE3BA2E)
YUV	182.2990, -67.1954, 39.2028
Hunter-Lab	71.8652, -2.2399, 42.1144

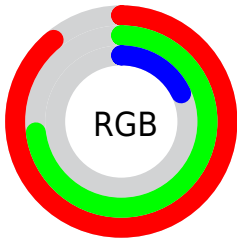
Details

The Yxy color **51.6460, 0.4468, 0.4640** is a light color, and the websafe version is hex **FFCC33**.

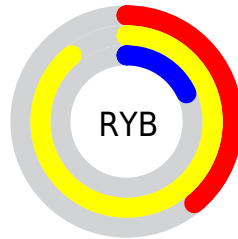
The color can be described as light washed orange. A complement of this color would be **12.9380, 0.1743, 0.1226**, and the grayscale version is **47.2960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7637, 0.4039, 0.4588**, and **24.9905, 0.4602, 0.4728** is the 20% darker color. If you saturate the color by 10%, you get **49.3869, 0.4580, 0.4680**, and if you desaturate by 10%, it is **54.0826, 0.4327, 0.4553**.

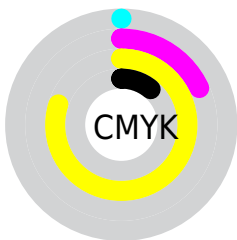
Distribution



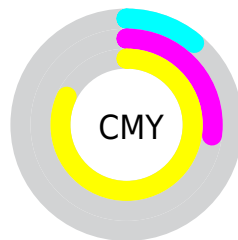
- Red (89%)
- Green (73%)
- Blue (18%)



- Red (39%)
- Yellow (89%)
- Blue (18%)



- Cyan (0%)
- Magenta (18%)
- Yellow (80%)
- Black (11%)





- Cyan (11%)
- Magenta (27%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6460, 0.4468, 0.4640 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 51.6460, 0.4468, 0.4640 by changing the saturation by 10% instead.


 51.6460, 0.4468,
0.4640

 51.6460, 0.4468,
0.4640


393.0684, 0.3878,
0.4053

 36.7230, 0.4577,
0.4745


 92.6090, 0.4281,
0.4456


 24.9931, 0.4692,
0.4855


 119.4177, 0.4202,
0.4377


 16.0719, 0.4807,
0.4962


 150.9571, 0.4132,
0.4308

 9.5750, 0.4930,
0.5070

 187.6116, 0.4069,
0.4245

 5.1181, 0.4943,
0.5057

 229.7656, 0.4014,
0.4189

 2.3167, 0.4964,
0.5036

 277.8035, 0.3964,

 0.7825, 0.5012,

0.4139

0.4988

332.1096, 0.3919,
0.4094

■ 0.0000, 0.0000,
0.0000

■ 51.6460, 0.4468,
0.4640

■ 51.6460, 0.4468,
0.4640

■ 49.3869, 0.4580,
0.4680

■ 54.0826, 0.4327,
0.4553

■ 47.2748, 0.4665,
0.4677

■ 56.7030, 0.4164,
0.4423

■ 47.2233, 0.4667,
0.4676

■ 59.5215, 0.3987,
0.4260

■ 62.5486, 0.3803,
0.4074

■ 65.7938, 0.3621,
0.3877

■ 69.2657, 0.3444,
0.3675

■ 72.9723, 0.3278,
0.3476

■ 76.9212, 0.3123,
0.3285

■ 81.1196, 0.2982,
0.3105

Harmonies

Analogous

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



51.6460, 0.4940, 0.3996



51.6460, 0.4468, 0.4640



51.6460, 0.3684, 0.5043

Triad

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



51.6460, 0.4468, 0.4640



51.6460, 0.1641, 0.2854



51.6460, 0.3236, 0.2239

Complementary

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



51.6460, 0.4468, 0.4640



12.9380, 0.1743, 0.1226

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.



51.6460, 0.2371, 0.1958



51.6460, 0.4468, 0.4640



51.6460, 0.1569, 0.2202

Square

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



51.6460, 0.4468, 0.4640



51.6460, 0.2059, 0.3867



51.6460, 0.1810, 0.1930



51.6460, 0.4209, 0.2726

Rectangle

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



51.6460, 0.4468, 0.4640



51.6460, 0.3094, 0.4973



51.6460, 0.1810, 0.1930



51.6460, 0.2920, 0.2120

Sweetspot

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



51.6485, 0.4468, 0.4640



88.1392, 0.3521, 0.3764



18.9914, 0.5333, 0.2942



18.5213, 0.3585, 0.3836



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.6485, 0.4468, 0.4640



62.3863, 0.4639, 0.4680



64.6897, 0.3755, 0.5225



16.2344, 0.3273, 0.3471



27.7222, 0.4658, 0.4683



2.1845, 0.4577, 0.4748

Inverse Universe

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



12.9380, 0.1743, 0.1226



11.1406, 0.1584, 0.0878



9.8906, 0.1893, 0.0961



14.4140, 0.2980, 0.3103



4.7810, 0.1569, 0.0846



0.4912, 0.1643, 0.1115

Previews

White Background



This preview shows how the Yxy color 51.6460, 0.4468, 0.4640 looks on a white 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

Black Background



This preview shows how the Yxy color 51.6460, 0.4468, 0.4640 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 ✓ Pass

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

Yxy 51.6460, 0.4468, 0.4640

Background



This preview shows how black text looks on a background with the Yxy color 51.6460, 0.4468, 0.4640.



This preview shows how white text looks on a background with the Yxy color 51.6460, 0.4468, 0.4640.

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

51.6460, 0.4468, 0.4640

Protanopia

51.7630, 0.4306, 0.4756

Deuteranopia

51.6119, 0.4609, 0.4517



Tritanopia

51.3079, 0.3575, 0.3135

Trichromacy



Original Color

51.6460, 0.4468, 0.4640

Protanomaly

51.6605, 0.4368, 0.4708

Deuteranomaly

51.7344, 0.4560, 0.4562

Tritanomaly

50.9420, 0.3992, 0.3768

Monochromacy



Original Color

51.6460, 0.4468, 0.4640

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.5662, 0.3673, 0.3929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6460, 0.4468, 0.4640 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(227, 186, 46)` looks like.

```
.text, #text, p{  
    color:rgb(227, 186, 46)  
}
```

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(227, 186, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 186, 46) }
```

Border

The CSS property to change the border of an element to Yxy 51.6460, 0.4468, 0.4640 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(227, 186, 46) }
```

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

```
.border{ border-color:rgb(227, 186, 46) }
```

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

Here you see how a box with a 4 pixel rgb(227, 186, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 186, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 186, 46);  
box-shadow:4px 4px 4px 4px rgb(227, 186,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6460, 0.4468, 0.4640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 186, 46) }
```

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

```
.background{ background-color: rgb(227,  
186, 46) }
```

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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