

Converting Colors

Yxy(56.4018, 0.4443, 0.4762)

Have a look what the booklet for
Yxy(56.4018, 0.4443, 0.4762)
contains.

Yxy(56.4018, 0.4443, 0.4762)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.4018, 0.4443, 0.4762)

Conversions

Conversions Part 1

Format	Color
Hex	E6C41F
RGB	230, 196, 31
RGB Percent	90%, 77%, 12%
CMY	0.0980, 0.2314, 0.8780
CMYK	0.00, 0.15, 0.86, 0.10
HSL	50°, 80%, 51%
HSV	50°, 86%, 90%
XYZ	52.6235, 56.4018, 9.4161
YIQ	187.3560, 73.2290, -44.1070

Conversions

Conversions Part 2

Format	Color
R_{YB}	72, 230, 31
Decimal	15123487
CIE _{Lab}	79.84, -2.55, 76.80
CIE _{LCh}	80, 76.843, 91.898
Yxy	56.4018, 0.4443, 0.4762
Android (android.graphics.Color)	4293313567 (0xFFE6C41F)
YUV	187.3560, -77.0835, 37.3988
Hunter-Lab	75.1011, -6.3517, 45.1371

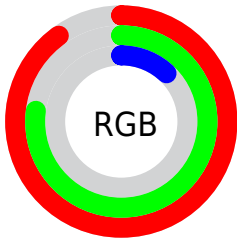
Details

The Yxy color **56.4018, 0.4443, 0.4762** is a light color, and the websafe version is hex **FFCC33**.

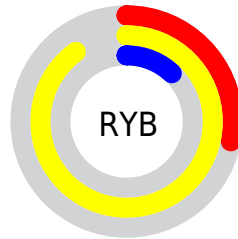
The color can be described as light washed yellow. A complement of this color would be **9.8001, 0.1635, 0.0957**, and the grayscale version is **50.3276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7253, 0.4018, 0.4715**, and **28.1910, 0.4502, 0.4807** is the 20% darker color. If you saturate the color by 10%, you get **54.5719, 0.4515, 0.4780**, and if you desaturate by 10%, it is **58.3698, 0.4342, 0.4698**.

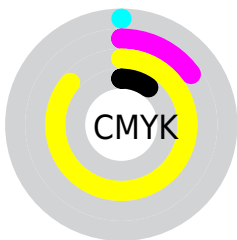
Distribution



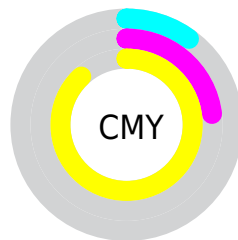
- Red (90%)
- Green (77%)
- Blue (12%)



- Red (28%)
- Yellow (90%)
- Blue (12%)



- Cyan (0%)
- Magenta (15%)
- Yellow (86%)
- Black (10%)




- Cyan (10%)
- Magenta (23%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4018, 0.4443, 0.4762 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 56.4018, 0.4443, 0.4762 by changing the saturation by 10% instead.


 56.4018, 0.4443,
0.4762

 56.4018, 0.4443,
0.4762


411.2040, 0.3890,
0.4132

 40.5252, 0.4536,
0.4873


 99.5918, 0.4274,
0.4566

 27.9482, 0.4631,
0.4988


 127.6740, 0.4201,
0.4483


 18.2866, 0.4720,
0.5102


 160.5934, 0.4135,
0.4408

 11.1560, 0.4793,
0.5207

 198.7346, 0.4076,
0.4341

 6.1718, 0.4776,
0.5224

 242.4818, 0.4022,
0.4280

 2.9499, 0.4749,
0.5251

 292.2195, 0.3974,

 1.1056, 0.4700,

0.4226

0.5300

348.3321, 0.3930,
0.4177

■ 0.0000, 0.0000,
0.0000

■ 56.4018, 0.4443,
0.4762

■ 56.4018, 0.4443,
0.4762

■ 54.5719, 0.4515,
0.4780

■ 58.3698, 0.4342,
0.4698

■ 53.9481, 0.4536,
0.4780

■ 60.4841, 0.4214,
0.4589

■ 62.7604, 0.4063,
0.4439

■ 65.2100, 0.3899,
0.4259

■ 67.8429, 0.3726,
0.4058

■ 70.6679, 0.3553,
0.3846

■ 73.6935, 0.3385,
0.3632

■ 76.9273, 0.3225,
0.3422

■ 80.3766, 0.3076,
0.3220

Harmonies

Analogous

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



56.4018, 0.4999, 0.4088



56.4018, 0.4443, 0.4762



56.4018, 0.3595, 0.5159

Triad

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



56.4018, 0.4443, 0.4762



56.4018, 0.1545, 0.2723



56.4018, 0.3353, 0.2236

Complementary

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



56.4018, 0.4443, 0.4762



9.8001, 0.1635, 0.0957

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.



56.4018, 0.2415, 0.1918



56.4018, 0.4443, 0.4762



56.4018, 0.1512, 0.2094

Square

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



56.4018, 0.4443, 0.4762



56.4018, 0.1933, 0.3770



56.4018, 0.1796, 0.1855



56.4018, 0.4374, 0.2759

Rectangle

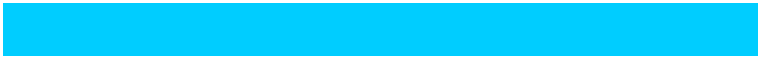
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.4018, 0.4443, 0.4762



56.4018, 0.2977, 0.5035



56.4018, 0.1796, 0.1855



56.4018, 0.3013, 0.2104

Sweetspot

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



56.4045, 0.4443, 0.4762



89.4209, 0.3548, 0.3839



18.2220, 0.5741, 0.3063



18.8669, 0.3608, 0.3913



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.



56.4045, 0.4443, 0.4762



68.0489, 0.4539, 0.4778



64.9155, 0.3680, 0.5370



16.3757, 0.3272, 0.3483



30.6984, 0.4530, 0.4785



2.3797, 0.4472, 0.4831

Inverse Universe

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



9.8001, 0.1635, 0.0957



8.9915, 0.1536, 0.0729



9.0837, 0.1864, 0.0873



14.2834, 0.2980, 0.3089



4.1895, 0.1543, 0.0755



0.4283, 0.1610, 0.0996

Previews

White Background



This preview shows how the Yxy color 56.4018, 0.4443, 0.4762 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 56.4018, 0.4443, 0.4762 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 56.4018, 0.4443, 0.4762

Background



This preview shows how black text looks on a background with the Yxy color 56.4018, 0.4443, 0.4762.



This preview shows how white text looks on a background with the Yxy color 56.4018, 0.4443, 0.4762.

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

56.4018, 0.4443, 0.4762

Protanopia

56.6391, 0.4355, 0.4826

Deuteranopia

56.4240, 0.4665, 0.4559



Tritanopia

56.1422, 0.3521, 0.3139

Trichromacy



Original Color

56.4018, 0.4443, 0.4762

Protanomaly

56.6612, 0.4389, 0.4800

Deuteranomaly

56.4376, 0.4586, 0.4631

Tritanomaly

55.3227, 0.3984, 0.3857

Monochromacy



Original Color

56.4018, 0.4443, 0.4762

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.1351, 0.3715, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4018, 0.4443, 0.4762 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(230, 196, 31)` looks like.

```
.text, #text, p{  
    color:rgb(230, 196, 31)  
}
```

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(230, 196, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 196, 31) }
```

Border

The CSS property to change the border of an element to Yxy 56.4018, 0.4443, 0.4762 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(230, 196, 31) }
```

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

```
.border{ border-color:rgb(230, 196, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 196, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 196, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 196, 31);  
box-shadow:4px 4px 4px 4px rgb(230, 196,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4018, 0.4443, 0.4762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 196, 31) }
```

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

```
.background{ background-color: rgb(230,  
196, 31) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor