

Converting Colors

Yxy(69.2248, 0.4441, 0.4679)

Have a look what the booklet for
Yxy(69.2248, 0.4441, 0.4679)
contains.

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Color

Yxy(69.0875, 0.4443, 0.4677)

Conversions

Conversions Part 1

Format	Color
Hex	FFD533
RGB	255, 213, 51
RGB Percent	100%, 84%, 20%
CMY	0.0000, 0.1647, 0.8003
CMYK	0.00, 0.16, 0.80, 0.00
HSL	48°, 100%, 60%
HSV	48°, 80%, 100%
XYZ	65.6309, 69.0875, 12.9991
YIQ	207.0900, 77.0340, -41.4780

Conversions

Conversions Part 2

Format	Color
RYB	104, 255, 51
Decimal	16766259
CIELab	86.55, -0.08, 78.33
CIElCh	87, 78.326, 90.057
Yxy	69.0875, 0.4443, 0.4677
Android (android.graphics.Color)	4294956339 (0xFFFFD533)
YUV	207.0900, -76.9524, 42.0171
Hunter-Lab	83.1189, -4.5140, 48.9107

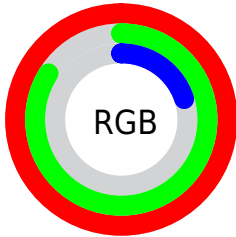
Details

The Yxy color **69.0875, 0.4443, 0.4677** 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 **15.7370, 0.1721, 0.1162**, and the grayscale version is **62.9236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9277, 0.3939, 0.4633**, and **36.2656, 0.4554, 0.4766** is the 20% darker color. If you saturate the color by 10%, you get **66.3270, 0.4545, 0.4717**, and if you desaturate by 10%, it is **72.0628, 0.4311, 0.4589**.

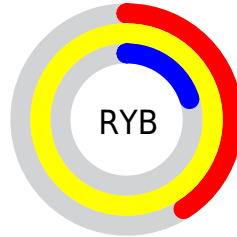
Distribution



Red (100%)

Green (84%)

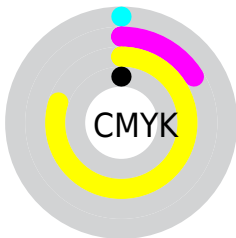
Blue (20%)



Red (41%)

Yellow (100%)

Blue (20%)

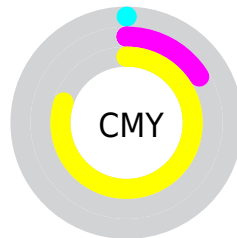


Cyan (0%)

Magenta (16%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (16%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0875, 0.4443, 0.4677 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 69.0875, 0.4443, 0.4677 by changing the saturation by 10% instead.


 69.0875, 0.4443,
0.4677


 69.0875, 0.4443,
0.4677


457.3395, 0.3901,
0.4105

 50.7830, 0.4537,
0.4776

 117.9065, 0.4277,
0.4502

 36.0359, 0.4636,
0.4881


 149.1898, 0.4205,
0.4426

 24.4619, 0.4733,
0.4983


 185.5682, 0.4141,
0.4358

 15.6766, 0.4849,
0.5107

 227.4260, 0.4083,
0.4297

 9.2956, 0.4870,
0.5130

 275.1476, 0.4030,
0.4242

 4.9345, 0.4870,
0.5130

329.1175, 0.3983,

 2.2089, 0.4869,

0.4192

389.7200, 0.3940,
0.4147

0.5131

0.7248, 0.4866,
0.5134

0.0000, 0.0000,
0.0000

69.0875, 0.4443,
0.4677

69.0875, 0.4443,
0.4677

66.3270, 0.4545,
0.4717


72.0628, 0.4311,
0.4589


63.7490, 0.4620,
0.4714

75.2619, 0.4156,
0.4459

78.7035, 0.3985,
0.4293

82.4012, 0.3805,
0.4104

 86.3675, 0.3625,
0.3901

 90.6135, 0.3449,
0.3693

 95.1498, 0.3283,
0.3488

99.9862, 0.3128,
0.3291

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



69.0875, 0.4941, 0.4032



69.0875, 0.4443, 0.4677



69.0875, 0.3643, 0.5065

Triad

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



69.0875, 0.4443, 0.4677



69.0875, 0.1619, 0.2807



69.0875, 0.3285, 0.2251

Complementary

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



69.0875, 0.4443, 0.4677



15.7370, 0.1721, 0.1162

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.



69.0875, 0.2401, 0.1957



69.0875, 0.4443, 0.4677



69.0875, 0.1563, 0.2171

Square

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



69.0875, 0.4443, 0.4677



69.0875, 0.2021, 0.3817



69.0875, 0.1821, 0.1915



69.0875, 0.4262, 0.2749

Rectangle

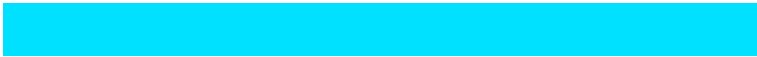
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.0875, 0.4443, 0.4677



69.0875, 0.3048, 0.4969



69.0875, 0.1821, 0.1915



69.0875, 0.2964, 0.2128

Sweetspot

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



69.0907, 0.4443, 0.4677



88.8926, 0.3518, 0.3776



24.4504, 0.5414, 0.2975



18.7045, 0.3581, 0.3850



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.



69.0907, 0.4443, 0.4677



64.7665, 0.4592, 0.4718



83.6530, 0.3733, 0.5254



20.4185, 0.3274, 0.3478



33.5314, 0.4612, 0.4720



3.4172, 0.4555, 0.4766

Inverse Universe

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



15.7370, 0.1721, 0.1162



10.5780, 0.1573, 0.0839



12.8169, 0.1903, 0.0956



17.9831, 0.2979, 0.3095



5.2470, 0.1557, 0.0803



0.6582, 0.1610, 0.0996

Previews

White Background



This preview shows how the Yxy color 69.0875, 0.4443, 0.4677 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 69.0875, 0.4443, 0.4677 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 69.0875, 0.4443, 0.4677

Background



This preview shows how black text looks on a background with the Yxy color 69.0875, 0.4443, 0.4677.



This preview shows how white text looks on a background with the Yxy color 69.0875, 0.4443, 0.4677.

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

69.0875, 0.4443, 0.4677

Protanopia

69.1067, 0.4323, 0.4762

Deuteranopia

69.2173, 0.4001, 0.4017



Tritanopia

68.8782, 0.3444, 0.3169

Trichromacy



Original Color

69.0875, 0.4443, 0.4677

Protanomaly

69.3161, 0.4362, 0.4733

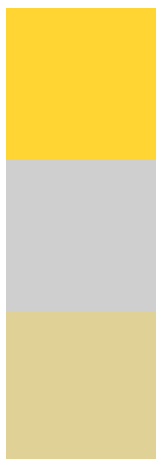
Deuteranomaly

68.9101, 0.4205, 0.4313

Tritanomaly

68.2522, 0.3897, 0.3829

Monochromacy



Original Color

69.0875, 0.4443, 0.4677

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.6502, 0.3674, 0.3960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0875, 0.4443, 0.4677 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(255, 213, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 51)  
}
```

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(255, 213, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 51) }
```

Border

The CSS property to change the border of an element to Yxy 69.0875, 0.4443, 0.4677 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(255, 213, 51) }
```

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

```
.border{ border-color:rgb(255, 213, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0875, 0.4443, 0.4677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 51) }
```

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

```
.background{ background-color: rgb(255,  
213, 51) }
```

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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