

Converting Colors

Yxy(69.4108, 0.4500, 0.4775)

Have a look what the booklet for
Yxy(69.4108, 0.4500, 0.4775)
contains.

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Color

Yxy(69.3968, 0.4500, 0.4776)

Conversions

Conversions Part 1

Format	Color
Hex	FFD612
RGB	255, 214, 18
RGB Percent	100%, 84%, 7%
CMY	0.0001, 0.1607, 0.9294
CMYK	0.00, 0.16, 0.93, 0.00
HSL	50°, 100%, 54%
HSV	50°, 93%, 100%
XYZ	65.3864, 69.3968, 10.5200
YIQ	203.9150, 87.3520, -52.2640

Conversions

Conversions Part 2

Format	Color
RYB	68, 255, 18
Decimal	16766482
CIELab	86.70, -1.29, 85.30
CIELCh	87, 85.306, 90.864
Yxy	69.3968, 0.4500, 0.4776
Android (android.graphics.Color)	4294956562 (0xFFFFD612)
YUV	203.9150, -91.6561, 44.8015
Hunter-Lab	83.3047, -5.6775, 50.8260

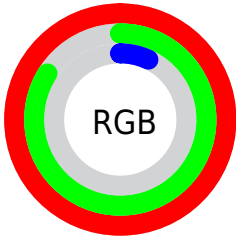
Details

The Yxy color **69.3968, 0.4500, 0.4776** is a light color, and the websafe version is hex **FFCC00**.

The color can be described as light washed yellow. A complement of this color would be **10.4682, 0.1577, 0.0832**, and the grayscale version is **60.8762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **36.4791, 0.4532, 0.4783** is the 20% darker color. If you saturate the color by 10%, you get **67.7974, 0.4543, 0.4775**, and if you desaturate by 10%, it is **71.7951, 0.4418, 0.4745**.

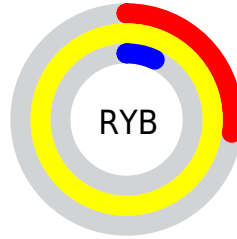
Distribution



Red (100%)

Green (84%)

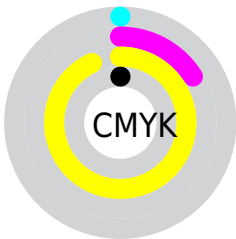
Blue (7%)



Red (27%)

Yellow (100%)

Blue (7%)

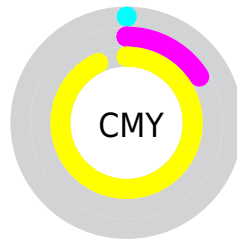


Cyan (0%)

Magenta (16%)

Yellow (93%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.3968, 0.4500, 0.4776 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 69.3968, 0.4500, 0.4776 by changing the saturation by 10% instead.


 69.3968, 0.4500,
0.4776


 69.3968, 0.4500,
0.4776


458.4292, 0.3953,
0.4179


 51.0349, 0.4588,
0.4874

 118.3481, 0.4338,
0.4598


 36.2364, 0.4676,
0.4973


 149.7064, 0.4267,
0.4519

 24.6168, 0.4755,
0.5065


 186.1656, 0.4201,
0.4448

 15.7918, 0.4837,
0.5163

 228.1101, 0.4142,
0.4383

 9.3770, 0.4830,
0.5170

 275.9243, 0.4088,
0.4325

 4.9879, 0.4820,
0.5180

 329.9927, 0.4039,

 2.2401, 0.4804,

0.4271

0.5196

390.6995, 0.3994,
0.4223

■ 0.7417, 0.4759,
0.5241

■ 0.0000, 0.0000,
0.0000

■ 69.3968, 0.4500,
0.4776

■ 69.3968, 0.4500,
0.4776


■ 67.7974, 0.4543,
0.4775


■ 71.7951, 0.4418,
0.4745


■ 74.3679, 0.4307,
0.4666


■ 77.1378, 0.4170,
0.4543


■ 80.1208, 0.4013,
0.4382

 83.3307, 0.3843,
0.4193

 86.7799, 0.3669,
0.3986

 90.4796, 0.3496,
0.3772

 94.4402, 0.3329,
0.3558

 98.6715, 0.3171,
0.3349

Harmonies

Analogous

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



69.3968, 0.5066, 0.4073



69.3968, 0.4500, 0.4776



69.3968, 0.3632, 0.5222

Triad

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



69.3968, 0.4500, 0.4776



69.3968, 0.1508, 0.2729



69.3968, 0.3321, 0.2191

Complementary

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



69.3968, 0.4500, 0.4776



10.4682, 0.1577, 0.0832

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.



69.3968, 0.2363, 0.1874



69.3968, 0.4500, 0.4776



69.3968, 0.1464, 0.2070

Square

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



69.3968, 0.4500, 0.4776



69.3968, 0.1914, 0.3827



69.3968, 0.1743, 0.1818



69.3968, 0.4385, 0.2719

Rectangle

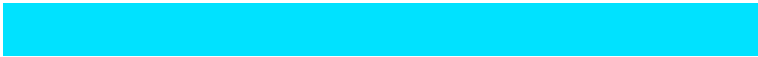
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.3968, 0.4500, 0.4776



69.3968, 0.2996, 0.5124



69.3968, 0.1743, 0.1818



69.3968, 0.2971, 0.2058

Sweetspot

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



69.4002, 0.4500, 0.4776



88.6035, 0.3583, 0.3881



22.0276, 0.5972, 0.3110



18.6282, 0.3658, 0.3973



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.



69.4002, 0.4500, 0.4776



67.8181, 0.4543, 0.4775



81.2360, 0.3662, 0.5442



20.5251, 0.3273, 0.3485



35.6322, 0.4536, 0.4780



3.6037, 0.4490, 0.4817

Inverse Universe

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



10.4682, 0.1577, 0.0832



9.0259, 0.1537, 0.0732



9.9793, 0.1779, 0.0779



17.8849, 0.2979, 0.3087



4.8629, 0.1542, 0.0752



0.6070, 0.1592, 0.0931

Previews

White Background



This preview shows how the Yxy color 69.3968, 0.4500, 0.4776 looks on a white background.

Color Contrast Check

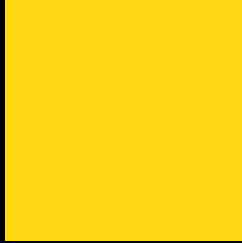
Large Text (above 18pt) WCAG AA × Fail

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 69.3968, 0.4500, 0.4776 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 69.3968, 0.4500, 0.4776

Background



This preview shows how black text looks on a background with the Yxy color 69.3968, 0.4500, 0.4776.



This preview shows how white text looks on a background with the Yxy color 69.3968, 0.4500, 0.4776.

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

69.3968, 0.4500, 0.4776

Protanopia

69.6058, 0.4388, 0.4859

Deuteranopia

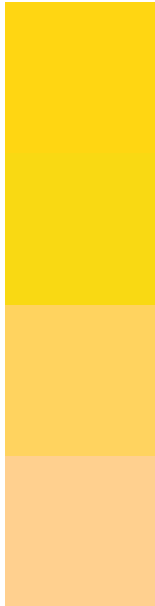
69.2173, 0.4001, 0.4017



Tritanopia

69.3520, 0.3442, 0.3179

Trichromacy



Original Color

69.3968, 0.4500, 0.4776

Protanomaly

69.8125, 0.4428, 0.4830

Deuteranomaly

68.6748, 0.4273, 0.4407

Tritanomaly

68.3549, 0.3982, 0.3959

Monochromacy



Original Color

69.3968, 0.4500, 0.4776

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

62.5773, 0.3770, 0.4107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3968, 0.4500, 0.4776 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, 214, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 18)  
}
```

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, 214, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 18) }
```

Border

The CSS property to change the border of an element to Yxy 69.3968, 0.4500, 0.4776 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, 214, 18) }
```

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

```
.border{ border-color:rgb(255, 214, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 214, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3968, 0.4500, 0.4776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 18) }
```

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

```
.background{ background-color: rgb(255,  
214, 18) }
```

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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