

Converting Colors

$Yxy(73.0664, 0.4544, 0.4702)$

Have a look what the booklet for
Yxy(73.0664, 0.4544, 0.4702)
contains.

Yxy(70.9900, 0.4454, 0.4768)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.9900, 0.4454, 0.4768)

Conversions

Conversions Part 1

Format	Color
Hex	FFD920
RGB	255, 217, 32
RGB Percent	100%, 85%, 13%
CMY	0.0000, 0.1490, 0.8739
CMYK	0.00, 0.15, 0.87, 0.00
HSL	50°, 100%, 56%
HSV	50°, 87%, 100%
XYZ	66.3149, 70.9900, 11.5835
YIQ	207.2720, 82.0330, -49.4790

Conversions

Conversions Part 2

Format	Color
R _Y B	78, 255, 32
Decimal	16767264
CIE Lab	87.48, -2.57, 83.65
CIE LCh	87, 83.687, 91.759
Yxy	70.9900, 0.4454, 0.4768
Android (android.graphics.Color)	4294957344 (0xFFFFD920)
YUV	207.2720, -86.4091, 41.8575
Hunter-Lab	84.2556, -6.9555, 50.8277

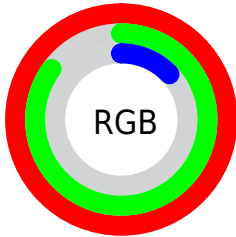
Details

The Yxy color **70.9900, 0.4454, 0.4768** 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 **11.9273, 0.1621, 0.0928**, and the grayscale version is **63.1229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7001, 0.3986, 0.4709**, and **37.5318, 0.4498, 0.4811** is the 20% darker color. If you saturate the color by 10%, you get **68.6911, 0.4522, 0.4780**, and if you desaturate by 10%, it is **73.4612, 0.4357, 0.4710**.

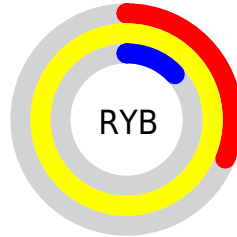
Distribution



Red (100%)

Green (85%)

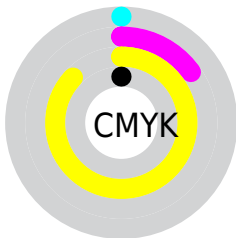
Blue (13%)



Red (31%)

Yellow (100%)

Blue (13%)

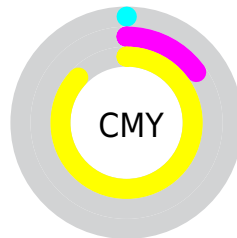


Cyan (0%)

Magenta (15%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (15%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.9900, 0.4454, 0.4768 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 70.9900, 0.4454, 0.4768 by changing the saturation by 10% instead.


 70.9900, 0.4454,
0.4768


 70.9900, 0.4454,
0.4768

464.0185, 0.3924,
0.4167


 52.3340, 0.4540,
0.4870

 120.6195, 0.4296,
0.4586

 37.2714, 0.4628,
0.4974


 152.3618, 0.4227,
0.4507


 25.4177, 0.4708,
0.5076


 189.2350, 0.4164,
0.4436

 16.3885, 0.4802,
0.5198

 231.6235, 0.4106,
0.4371

 9.7995, 0.4789,
0.5211

 279.9117, 0.4054,
0.4313

 5.2662, 0.4770,
0.5230

 334.4840, 0.4007,

 2.4043, 0.4739,

0.4260

395.7248, 0.3964,
0.4211

0.5261

■ 0.8281, 0.4666,
0.5334

■ 0.0000, 0.0000,
0.0000

■ 70.9900, 0.4454,
0.4768

■ 70.9900, 0.4454,
0.4768

■ 68.6911, 0.4522,
0.4780

■ 73.4612, 0.4357,
0.4710


■ 68.1095, 0.4537,
0.4779

■ 76.1164, 0.4231,
0.4606


■ 78.9765, 0.4083,
0.4460

■ 82.0560, 0.3918,
0.4282

 85.3678, 0.3746,
0.4082

 88.9237, 0.3572,
0.3869

 92.7345, 0.3402,
0.3653

 96.8100, 0.3240,
0.3441

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



70.9900, 0.5014, 0.4087



70.9900, 0.4454, 0.4768



70.9900, 0.3601, 0.5175

Triad

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



70.9900, 0.4454, 0.4768



70.9900, 0.1535, 0.2721



70.9900, 0.3349, 0.2227

Complementary

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



70.9900, 0.4454, 0.4768



11.9273, 0.1621, 0.0928

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.



70.9900, 0.2406, 0.1908



70.9900, 0.4454, 0.4768



70.9900, 0.1501, 0.2087

Square

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



70.9900, 0.4454, 0.4768



70.9900, 0.1926, 0.3779



70.9900, 0.1785, 0.1846



70.9900, 0.4380, 0.2752

Rectangle

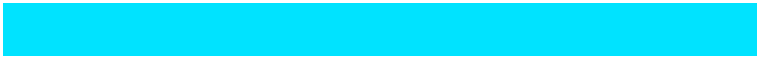
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.9900, 0.4454, 0.4768



70.9900, 0.2978, 0.5055



70.9900, 0.1785, 0.1846



70.9900, 0.3007, 0.2094

Sweetspot

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



70.9934, 0.4454, 0.4768



89.4401, 0.3548, 0.3839



22.7818, 0.5792, 0.3071



18.8715, 0.3608, 0.3914



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.



70.9934, 0.4454, 0.4768



68.1104, 0.4537, 0.4779



81.8676, 0.3677, 0.5386



20.5326, 0.3273, 0.3486



35.7830, 0.4531, 0.4784



3.6170, 0.4486, 0.4820

Inverse Universe

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



11.9273, 0.1621, 0.0928



8.9824, 0.1536, 0.0729



11.1278, 0.1846, 0.0851



17.8781, 0.2979, 0.3087



4.8385, 0.1541, 0.0748



0.6037, 0.1591, 0.0927

Previews

White Background



This preview shows how the Yxy color 70.9900, 0.4454, 0.4768 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 70.9900, 0.4454, 0.4768 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 70.9900, 0.4454, 0.4768

Background



This preview shows how black text looks on a background with the Yxy color 70.9900, 0.4454, 0.4768.



This preview shows how white text looks on a background with the Yxy color 70.9900, 0.4454, 0.4768.

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

70.9900, 0.4454, 0.4768

Protanopia

71.0704, 0.4367, 0.4832

Deuteranopia

71.0184, 0.3916, 0.3948



Tritanopia

70.9476, 0.3415, 0.3179

Trichromacy



Original Color

70.9900, 0.4454, 0.4768

Protanomaly

71.0968, 0.4398, 0.4808

Deuteranomaly

70.4147, 0.4187, 0.4339

Tritanomaly

70.0505, 0.3918, 0.3918

Monochromacy



Original Color

70.9900, 0.4454, 0.4768

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

64.4190, 0.3717, 0.4059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9900, 0.4454, 0.4768 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, 217, 32)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 32)  
}
```

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, 217, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 32) }
```

Border

The CSS property to change the border of an element to Yxy 70.9900, 0.4454, 0.4768 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, 217, 32) }
```

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

```
.border{ border-color:rgb(255, 217, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 32);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9900, 0.4454, 0.4768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 32) }
```

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

```
.background{ background-color: rgb(255,  
217, 32) }
```

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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