

Converting Colors

$Yxy(70.3087, 0.4467, 0.4771)$

Have a look what the booklet for
Yxy(70.3087, 0.4467, 0.4771)
contains.

Yxy(70.4556, 0.4469, 0.4771)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(70.4556, 0.4469, 0.4771)

Conversions

Conversions Part 1

Format	Color
Hex	FFD81C
RGB	255, 216, 28
RGB Percent	100%, 85%, 11%
CMY	0.0002, 0.1529, 0.8899
CMYK	0.00, 0.15, 0.89, 0.00
HSL	50°, 100%, 55%
HSV	50°, 89%, 100%
XYZ	65.9958, 70.4556, 11.2233
YIQ	206.2290, 83.5920, -50.2000

Conversions

Conversions Part 2

Format	Color
R_{YB}	75, 255, 28
Decimal	16767004
CIE _{Lab}	87.22, -2.16, 84.19
CIE _{LCh}	87, 84.219, 91.469
Yxy	70.4556, 0.4469, 0.4771
Android (android.graphics.Color)	4294957084 (0xFFFFD81C)
YUV	206.2290, -87.8669, 42.7722
Hunter-Lab	83.9378, -6.5462, 50.8289

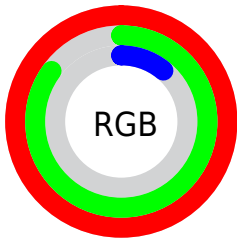
Details

The Yxy color **70.4556, 0.4469, 0.4771** 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 **11.4814, 0.1608, 0.0899**, and the grayscale version is **62.4153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6618, 0.3994, 0.4723**, and **37.1781, 0.4509, 0.4802** is the 20% darker color. If you saturate the color by 10%, you get **68.1677, 0.4534, 0.4778**, and if you desaturate by 10%, it is **72.9096, 0.4376, 0.4721**.

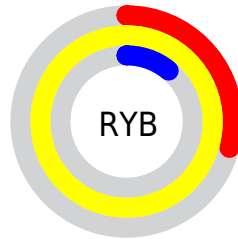
Distribution



Red (100%)

Green (85%)

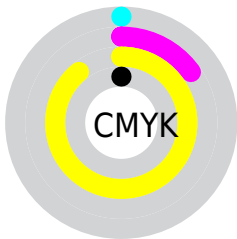
Blue (11%)



Red (29%)

Yellow (100%)

Blue (11%)

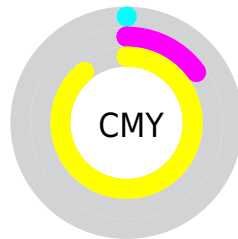


Cyan (0%)

Magenta (15%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.4556, 0.4469, 0.4771 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 70.4556, 0.4469, 0.4771 by changing the saturation by 10% instead.


 70.4556, 0.4469,
0.4771

 70.4556, 0.4469,
0.4771


462.1481, 0.3934,
0.4171

 51.8980, 0.4556,
0.4871


 119.8582, 0.4310,
0.4590


 36.9238, 0.4643,
0.4975


 151.4721, 0.4240,
0.4512

 25.1485, 0.4723,
0.5073


 188.2069, 0.4176,
0.4440

 16.1877, 0.4813,
0.5187

 230.4470, 0.4118,
0.4375

 9.6571, 0.4802,
0.5198

 278.5767, 0.4065,
0.4317

 5.1722, 0.4786,
0.5214

 332.9806, 0.4017,

 2.3487, 0.4759,

0.4264

0.5241

394.0429, 0.3974,
0.4215

■ 0.7993, 0.4694,
0.5306

■ 0.0000, 0.0000,
0.0000

■ 70.4556, 0.4469,
0.4771

■ 70.4556, 0.4469,
0.4771

■ 68.1677, 0.4534,
0.4778

■ 72.9096, 0.4376,
0.4721

■ 67.9418, 0.4540,
0.4777

■ 75.5455, 0.4254,
0.4624

■ 78.3843, 0.4109,
0.4485

■ 81.4409, 0.3946,
0.4311

■ 84.7288, 0.3774,
0.4114

■ 88.2596, 0.3600,
0.3903

■ 92.0443, 0.3429,
0.3687

■ 96.0931, 0.3265,
0.3475

99.9927, 0.3127,
0.3290

Harmonies

Analogous

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



70.4556, 0.5031, 0.4083



70.4556, 0.4469, 0.4771



70.4556, 0.3611, 0.5191

Triad

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



70.4556, 0.4469, 0.4771



70.4556, 0.1526, 0.2723



70.4556, 0.3340, 0.2215

Complementary

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



70.4556, 0.4469, 0.4771



11.4814, 0.1608, 0.0899

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.



70.4556, 0.2392, 0.1897



70.4556, 0.4469, 0.4771



70.4556, 0.1489, 0.2081

Square

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



70.4556, 0.4469, 0.4771



70.4556, 0.1922, 0.3794



70.4556, 0.1771, 0.1837



70.4556, 0.4382, 0.2741

Rectangle

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



70.4556, 0.4469, 0.4771



70.4556, 0.2984, 0.5077



70.4556, 0.1771, 0.1837



70.4556, 0.2995, 0.2083

Sweetspot

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



70.4590, 0.4469, 0.4771



89.0224, 0.3565, 0.3860



22.5247, 0.5847, 0.3081



18.7866, 0.3624, 0.3933



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.



70.4590, 0.4469, 0.4771



67.9648, 0.4540, 0.4777



81.6609, 0.3674, 0.5404



20.5288, 0.3273, 0.3485



35.7079, 0.4533, 0.4782



3.6104, 0.4488, 0.4819

Inverse Universe

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



11.4814, 0.1608, 0.0899



9.0040, 0.1536, 0.0730



10.7563, 0.1826, 0.0828



17.8815, 0.2979, 0.3087



4.8506, 0.1542, 0.0750



0.6053, 0.1591, 0.0929

Previews

White Background



This preview shows how the Yxy color 70.4556, 0.4469, 0.4771 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 70.4556, 0.4469, 0.4771 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 70.4556, 0.4469, 0.4771

Background



This preview shows how black text looks on a background with the Yxy color 70.4556, 0.4469, 0.4771.



This preview shows how white text looks on a background with the Yxy color 70.4556, 0.4469, 0.4771.

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

70.4556, 0.4469, 0.4771

Protanopia

70.3446, 0.4375, 0.4842

Deuteranopia

70.4223, 0.3942, 0.3968



Tritanopia

70.4124, 0.3424, 0.3179

Trichromacy



Original Color

70.4556, 0.4469, 0.4771

Protanomaly

70.3713, 0.4406, 0.4817

Deuteranomaly

69.8278, 0.4216, 0.4363

Tritanomaly

69.4913, 0.3937, 0.3929

Monochromacy



Original Color

70.4556, 0.4469, 0.4771

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.8636, 0.3735, 0.4070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.4556, 0.4469, 0.4771 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, 216, 28)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 28)  
}
```

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, 216, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 28) }
```

Border

The CSS property to change the border of an element to Yxy 70.4556, 0.4469, 0.4771 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, 216, 28) }
```

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

```
.border{ border-color:rgb(255, 216, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 28);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 70.4556, 0.4469, 0.4771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 28) }
```

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

```
.background{ background-color: rgb(255,  
216, 28) }
```

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