

Converting Colors

$Yxy(69.3791, 0.4483, 0.4749)$

Have a look what the booklet for
Yxy(69.3791, 0.4483, 0.4749)
contains.

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Color

Yxy(69.4521, 0.4481, 0.4749)

Conversions

Conversions Part 1

Format	Color
Hex	FFD61F
RGB	255, 214, 31
RGB Percent	100%, 84%, 12%
CMY	0.0000, 0.1607, 0.8777
CMYK	0.00, 0.16, 0.88, 0.00
HSL	49°, 100%, 56%
HSV	49°, 88%, 100%
XYZ	65.5327, 69.4521, 11.2609
YIQ	205.3970, 83.1790, -48.2210

Conversions

Conversions Part 2

Format	Color
R _Y B	81, 255, 31
Decimal	16766495
CIE Lab	86.73, -1.07, 83.24
CIE LCh	87, 83.244, 90.740
Yxy	69.4521, 0.4481, 0.4749
Android (android.graphics.Color)	4294956575 (0xFFFFD61F)
YUV	205.3970, -85.9777, 43.5018
Hunter-Lab	83.3379, -5.4780, 50.3251

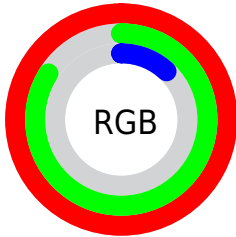
Details

The Yxy color **69.4521, 0.4481, 0.4749** 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 **12.1712, 0.1624, 0.0944**, and the grayscale version is **61.8511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6809, 0.3990, 0.4716**, and **36.4791, 0.4532, 0.4783** is the 20% darker color. If you saturate the color by 10%, you get **67.0382, 0.4553, 0.4757**, and if you desaturate by 10%, it is **72.0454, 0.4380, 0.4695**.

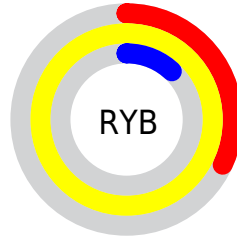
Distribution



Red (100%)

Green (84%)

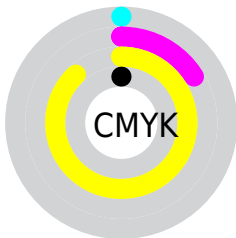
Blue (12%)



Red (32%)

Yellow (100%)

Blue (12%)

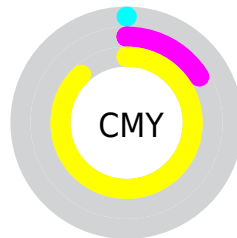


Cyan (0%)

Magenta (16%)

Yellow (88%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.4521, 0.4481, 0.4749 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 69.4521, 0.4481, 0.4749 by changing the saturation by 10% instead.


 69.4521, 0.4481,
0.4749


 69.4521, 0.4481,
0.4749

458.6239, 0.3936,
0.4158

 51.0800, 0.4571,
0.4848

 118.4271, 0.4318,
0.4571

 36.2723, 0.4662,
0.4949


 149.7987, 0.4247,
0.4493


 24.6445, 0.4746,
0.5045


 186.2724, 0.4182,
0.4423

 15.8124, 0.4843,
0.5157

 228.2324, 0.4123,
0.4359

 9.3915, 0.4838,
0.5162

 276.0631, 0.4069,
0.4301

 4.9974, 0.4829,
0.5171

 330.1490, 0.4021,

 2.2458, 0.4816,

0.4249

0.5184

390.8745, 0.3977,
0.4201

■ 0.7448, 0.4779,
0.5221

■ 0.0000, 0.0000,
0.0000

■ 69.4521, 0.4481,
0.4749

■ 69.4521, 0.4481,
0.4749

■ 67.0382, 0.4553,
0.4757

■ 72.0454, 0.4380,
0.4695


■ 66.5142, 0.4567,
0.4756


■ 74.8311, 0.4251,
0.4594


■ 77.8298, 0.4099,
0.4451

■ 81.0565, 0.3932,
0.4276

 84.5242, 0.3757,
0.4078

 88.2448, 0.3580,
0.3869

 92.2292, 0.3409,
0.3656

 96.4875, 0.3246,
0.3447

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



69.4521, 0.5028, 0.4064



69.4521, 0.4481, 0.4749



69.4521, 0.3632, 0.5175

Triad

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



69.4521, 0.4481, 0.4749



69.4521, 0.1540, 0.2749



69.4521, 0.3314, 0.2211

Complementary

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



69.4521, 0.4481, 0.4749



12.1712, 0.1624, 0.0944

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.



69.4521, 0.2377, 0.1899



69.4521, 0.4481, 0.4749



69.4521, 0.1494, 0.2099

Square

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



69.4521, 0.4481, 0.4749



69.4521, 0.1944, 0.3820



69.4521, 0.1768, 0.1846



69.4521, 0.4351, 0.2730

Rectangle

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



69.4521, 0.4481, 0.4749



69.4521, 0.3009, 0.5075



69.4521, 0.1768, 0.1846



69.4521, 0.2973, 0.2080

Sweetspot

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



69.4555, 0.4481, 0.4749



88.9384, 0.3550, 0.3831



22.7188, 0.5805, 0.3073



18.7509, 0.3610, 0.3905



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.



69.4555, 0.4481, 0.4749



66.5215, 0.4567, 0.4756



81.8173, 0.3676, 0.5390



20.4917, 0.3274, 0.3483



34.9630, 0.4559, 0.4762



3.5445, 0.4510, 0.4801

Inverse Universe

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



12.1712, 0.1624, 0.0944



9.2286, 0.1541, 0.0746



11.0381, 0.1841, 0.0846



17.9156, 0.2979, 0.3090



4.9758, 0.1547, 0.0767



0.6224, 0.1598, 0.0951

Previews

White Background



This preview shows how the Yxy color 69.4521, 0.4481, 0.4749 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 69.4521, 0.4481, 0.4749 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 69.4521, 0.4481, 0.4749

Background



This preview shows how black text looks on a background with the Yxy color 69.4521, 0.4481, 0.4749.



This preview shows how white text looks on a background with the Yxy color 69.4521, 0.4481, 0.4749.

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

69.4521, 0.4481, 0.4749

Protanopia

69.6596, 0.4370, 0.4833

Deuteranopia

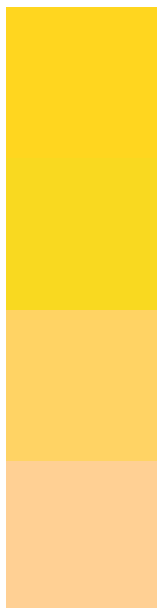
69.2466, 0.3994, 0.4007



Tritanopia

69.3520, 0.3442, 0.3179

Trichromacy



Original Color

69.4521, 0.4481, 0.4749

Protanomaly

69.8697, 0.4409, 0.4803

Deuteranomaly

68.7686, 0.4246, 0.4369

Tritanomaly

68.5099, 0.3945, 0.3909

Monochromacy



Original Color

69.4521, 0.4481, 0.4749

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.7527, 0.3727, 0.4041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4521, 0.4481, 0.4749 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, 31)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 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(255, 214, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 31) }
```

Border

The CSS property to change the border of an element to Yxy 69.4521, 0.4481, 0.4749 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, 31) }
```

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

```
.border{ border-color:rgb(255, 214, 31) }
```

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, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 31);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4521, 0.4481, 0.4749 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, 31) }
```

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

```
.background{ background-color: rgb(255,  
214, 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](#).

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