

Converting Colors

$Y_{xy}(74.5298, 0.4361, 0.4755)$

Have a look what the booklet for
Yxy(74.5298, 0.4361, 0.4755)
contains.

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Color

Yxy(74.2656, 0.4366, 0.4754)

Conversions

Conversions Part 1

Format	Color
Hex	FFDF32
RGB	255, 223, 50
RGB Percent	100%, 87%, 20%
CMY	0.0000, 0.1255, 0.8043
CMYK	0.00, 0.13, 0.80, 0.00
HSL	51°, 100%, 60%
HSV	51°, 80%, 100%
XYZ	68.2044, 74.2656, 13.7471
YIQ	212.8460, 74.6050, -47.0190

Conversions

Conversions Part 2

Format	Color
R _Y B	88, 255, 50
Decimal	16768818
CIE Lab	89.05, -5.15, 80.78
CIE LCh	89, 80.947, 93.650
Yxy	74.2656, 0.4366, 0.4754
Android (android.graphics.Color)	4294958898 (0xFFFFDF32)
YUV	212.8460, -80.2831, 36.9691
Hunter-Lab	86.1775, -9.5384, 50.8663

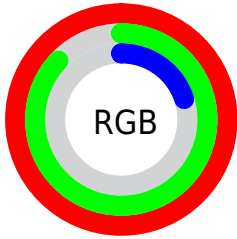
Details

The Yxy color **74.2656, 0.4366, 0.4754** 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 **13.9170, 0.1690, 0.1051**, and the grayscale version is **66.9358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9499, 0.3935, 0.4625**, and **39.4746, 0.4452, 0.4847** is the 20% darker color. If you saturate the color by 10%, you get **72.0046, 0.4449, 0.4800**, and if you desaturate by 10%, it is **76.7026, 0.4254, 0.4662**.

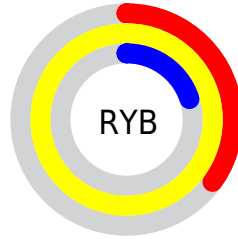
Distribution



Red (100%)

Green (87%)

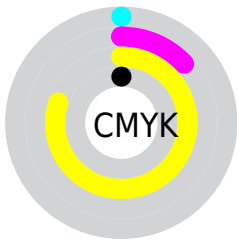
Blue (20%)



Red (35%)

Yellow (100%)

Blue (20%)

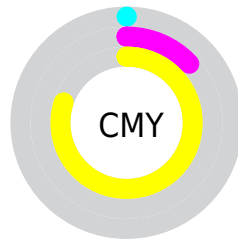


Cyan (0%)

Magenta (13%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (13%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.2656, 0.4366, 0.4754 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 74.2656, 0.4366, 0.4754 by changing the saturation by 10% instead.


 74.2656, 0.4366,
0.4754

 74.2656, 0.4366,
0.4754


475.3895, 0.3871,
0.4148


 55.0115, 0.4448,
0.4861


 125.2722, 0.4217,
0.4567

 39.4109, 0.4533,
0.4976


 157.7935, 0.4152,
0.4487

 27.0795, 0.4613,
0.5093

 195.5060, 0.4093,
0.4415

 17.6330, 0.4697,
0.5225

 238.7940, 0.4040,
0.4350

 10.6868, 0.4709,
0.5291

 288.0420, 0.3992,
0.4292

 5.8566, 0.4672,
0.5328

343.6343, 0.3947,

 2.7581, 0.4613,

0.4239

405.9553, 0.3907,
0.4192

0.5387

■ 1.0068, 0.4508,
0.5492

■ 0.0000, 0.0000,
0.0000

■ 74.2656, 0.4366,
0.4754

■ 74.2656, 0.4366,
0.4754

■ 72.0046, 0.4449,
0.4800

■ 76.7026, 0.4254,
0.4662

■ 69.9718, 0.4505,
0.4805

■ 79.3281, 0.4116,
0.4526

■ 82.1592, 0.3960,
0.4354

■ 85.2091, 0.3793,
0.4157

■ 88.4899, 0.3621,
0.3944

■ 92.0124, 0.3451,
0.3726

■ 95.7868, 0.3288,
0.3509

99.8224, 0.3133,
0.3299

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.



74.2656, 0.4919, 0.4116



74.2656, 0.4366, 0.4754



74.2656, 0.3538, 0.5090

Triad

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



74.2656, 0.4366, 0.4754



74.2656, 0.1584, 0.2702



74.2656, 0.3406, 0.2295

Complementary

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



74.2656, 0.4366, 0.4754



13.9170, 0.1690, 0.1051

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.



74.2656, 0.2487, 0.1971



74.2656, 0.4366, 0.4754



74.2656, 0.1567, 0.2113

Square

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



74.2656, 0.4366, 0.4754



74.2656, 0.1944, 0.3688



74.2656, 0.1864, 0.1896



74.2656, 0.4377, 0.2814

Rectangle

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



74.2656, 0.4366, 0.4754



74.2656, 0.2939, 0.4929



74.2656, 0.1864, 0.1896



74.2656, 0.3076, 0.2161

Sweetspot

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



74.2675, 0.4366, 0.4754



90.7248, 0.3511, 0.3804



24.1756, 0.5573, 0.3064



19.1509, 0.3572, 0.3882



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.



74.2675, 0.4366, 0.4754



70.5994, 0.4489, 0.4805



82.2688, 0.3663, 0.5311



20.5795, 0.3273, 0.3489



36.7432, 0.4499, 0.4810



3.7018, 0.4458, 0.4842

Inverse Universe

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



13.9170, 0.1690, 0.1051



9.2421, 0.1546, 0.0747



13.3649, 0.1965, 0.0984



17.8352, 0.2979, 0.3083



4.6929, 0.1536, 0.0729



0.5832, 0.1583, 0.0900

Previews

White Background



This preview shows how the Yxy color 74.2656, 0.4366, 0.4754 looks on a white background.

Color Contrast Check

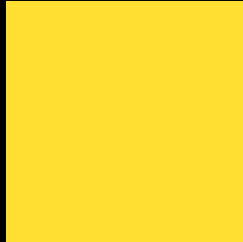
Large Text (above 18pt) WCAG AA × Fail

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 74.2656, 0.4366, 0.4754 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 74.2656, 0.4366, 0.4754

Background



This preview shows how black text looks on a background with the Yxy color 74.2656, 0.4366, 0.4754.



This preview shows how white text looks on a background with the Yxy color 74.2656, 0.4366, 0.4754.

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

74.2656, 0.4366, 0.4754

Protanopia

74.2370, 0.4335, 0.4777

Deuteranopia

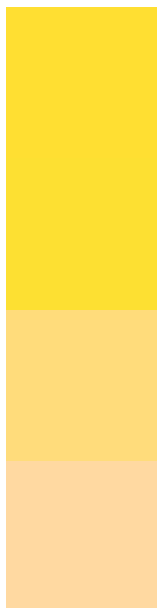
74.1194, 0.3782, 0.3835



Tritanopia

74.2303, 0.3362, 0.3180

Trichromacy



Original Color

74.2656, 0.4366, 0.4754

Protanomaly

74.4242, 0.4343, 0.4772

Deuteranomaly

73.8765, 0.4056, 0.4256

Tritanomaly

73.4589, 0.3815, 0.3866

Monochromacy



Original Color

74.2656, 0.4366, 0.4754

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

68.4528, 0.3651, 0.3990

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.2656, 0.4366, 0.4754 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, 223, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 50)  
}
```

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, 223, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 50) }
```

Border

The CSS property to change the border of an element to Yxy 74.2656, 0.4366, 0.4754 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, 223, 50) }
```

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

```
.border{ border-color:rgb(255, 223, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 74.2656, 0.4366, 0.4754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 50) }
```

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

```
.background{ background-color: rgb(255,  
223, 50) }
```

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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