

Converting Colors

$Y_{xy}(100.0000, 0.5102, 0.4336)$

Have a look what the booklet for
Yxy(100.0000, 0.5102, 0.4336)
contains.

Yxy(74.0354, 0.4438, 0.4858)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(74.0354, 0.4438, 0.4858)

Conversions

Conversions Part 1

Format	Color
Hex	FFDF00
RGB	255, 223, 0
RGB Percent	100%, 87%, 0%
CMY	0.0000, 0.1255, 0.9994
CMYK	0.00, 0.13, 1.00, 0.00
HSL	52°, 100%, 50%
HSV	52°, 100%, 100%
XYZ	67.6346, 74.0354, 10.7289
YIQ	207.1460, 90.6550, -62.5690

Conversions

Conversions Part 2

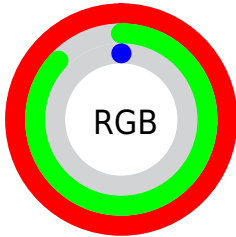
Format	Color
R _Y B	37, 255, 0
Decimal	16768768
CIE Lab	88.94, -5.94, 88.55
CIE LCh	89, 88.752, 93.834
Yxy	74.0354, 0.4438, 0.4858
Android (android.graphics.Color)	4294958848 (0xFFFFDF00)
YUV	207.1460, -102.1230, 41.9680
Hunter-Lab	86.0438, -10.2670, 52.8378

Details

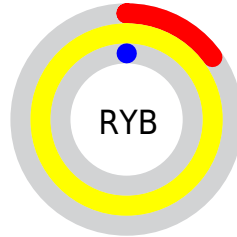
The Yxy color **74.0354, 0.4438, 0.4858** is a light color, and the websafe version is hex **FFCC00**, and the color name is **golden yellow**. The color can be described as light saturated yellow. A complement of this color would be **8.2620, 0.1522, 0.0677**, and the grayscale version is **63.1337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5182, 0.4024, 0.4773**, and **39.3427, 0.4442, 0.4855** is the 20% darker color. If you saturate the color by 10%, you get **74.0245, 0.4438, 0.4858**, and if you desaturate by 10%, it is **75.8347, 0.4389, 0.4846**.

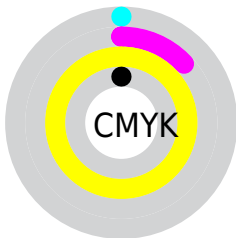
Distribution



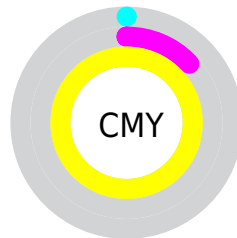
- Red (100%)
- Green (87%)
- Blue (0%)



- Red (15%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (13%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0354, 0.4438, 0.4858 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 74.0354, 0.4438, 0.4858 by changing the saturation by 10% instead.

 74.0354, 0.4438,
0.4858


 74.0354, 0.4438,
0.4858


474.5955, 0.3933,
0.4227


 54.8230, 0.4515,
0.4963

 124.9460, 0.4293,
0.4669

 39.2600, 0.4589,
0.5070


 157.4130, 0.4227,
0.4586

 26.9621, 0.4651,
0.5174


 195.0670, 0.4167,
0.4511

 17.5447, 0.4713,
0.5287

 238.2923, 0.4111,
0.4443

 10.6236, 0.4683,
0.5317

 287.4735, 0.4061,
0.4381

 5.8144, 0.4640,
0.5360


 342.9948, 0.4015,


 2.7325, 0.4572,

0.4325

0.5428


405.2407, 0.3972,
0.4274

 0.9937, 0.4447,
0.5553


 0.0000, 0.0000,
0.0000


 74.0354, 0.4438,
0.4858


 74.0354, 0.4438,
0.4858

 74.0245, 0.4438,
0.4858

 75.8347, 0.4389,
0.4846

 77.7618, 0.4314,
0.4794

 79.8448, 0.4211,
0.4696

 82.1016, 0.4082,
0.4555

■ 84.5471, 0.3934,
0.4377

■ 87.1943, 0.3773,
0.4174

■ 90.0550, 0.3607,
0.3955

■ 93.1399, 0.3440,
0.3730

■ 96.4589, 0.3279,
0.3506

Harmonies

Analogous

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



74.0354, 0.5059, 0.4149



74.0354, 0.4438, 0.4858



74.0354, 0.3539, 0.5268

Triad

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



74.0354, 0.4438, 0.4858



74.0354, 0.1465, 0.2629



74.0354, 0.3432, 0.2220

Complementary

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



74.0354, 0.4438, 0.4858



8.2620, 0.1522, 0.0677

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.



74.0354, 0.2432, 0.1875



74.0354, 0.4438, 0.4858



74.0354, 0.1456, 0.2009

Square

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



74.0354, 0.4438, 0.4858



74.0354, 0.1835, 0.3712



74.0354, 0.1769, 0.1790



74.0354, 0.4501, 0.2770

Rectangle

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



74.0354, 0.4438, 0.4858



74.0354, 0.2895, 0.5110



74.0354, 0.1769, 0.1790



74.0354, 0.3070, 0.2078

Sweetspot

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



74.0347, 0.4438, 0.4858



90.0379, 0.3608, 0.3956



21.3794, 0.6257, 0.3221



19.0080, 0.3678, 0.4050



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.



74.0347, 0.4438, 0.4858



74.0245, 0.4438, 0.4858



79.1551, 0.3553, 0.5561



20.6785, 0.3272, 0.3496



38.8323, 0.4433, 0.4862



3.8853, 0.4402, 0.4887

Inverse Universe

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



8.2620, 0.1522, 0.0677



8.2541, 0.1521, 0.0676



9.5814, 0.1775, 0.0752



17.7452, 0.2979, 0.3075



4.4265, 0.1526, 0.0692



0.5411, 0.1568, 0.0844

Previews

White Background



This preview shows how the Yxy color 74.0354, 0.4438, 0.4858 looks on a white background.

Color Contrast Check

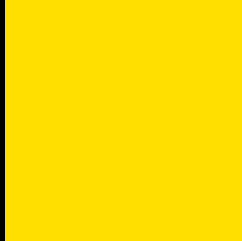
Large Text (above 18pt) WCAG AA × Fail

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 74.0354, 0.4438, 0.4858 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 74.0354, 0.4438, 0.4858

Background



This preview shows how black text looks on a background with the Yxy color 74.0354, 0.4438, 0.4858.

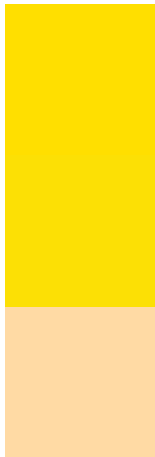


This preview shows how white text looks on a background with the Yxy color 74.0354, 0.4438, 0.4858.

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

74.0354, 0.4438, 0.4858

Protanopia

74.0177, 0.4404, 0.4877

Deuteranopia

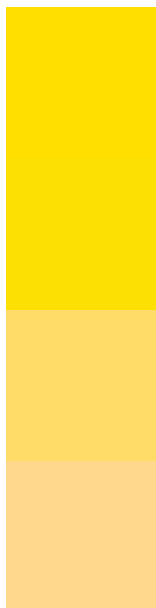
74.0831, 0.3790, 0.3845



Tritanopia

73.6747, 0.3371, 0.3180

Trichromacy



Original Color

74.0354, 0.4438, 0.4858

Protanomaly

74.2005, 0.4413, 0.4874

Deuteranomaly

73.4459, 0.4167, 0.4414

Tritanomaly

72.3247, 0.3952, 0.4044

Monochromacy



Original Color

74.0354, 0.4438, 0.4858

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

65.1017, 0.3785, 0.4197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0354, 0.4438, 0.4858 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 0) }
```

Border

The CSS property to change the border of an element to Yxy 74.0354, 0.4438, 0.4858 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, 0) }
```

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

```
.border{ border-color:rgb(255, 223, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 74.0354, 0.4438, 0.4858 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, 0) }
```

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

```
.background{ background-color: rgb(255,  
223, 0) }
```

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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