

Converting Colors

$Y_{xy}(78.5721, 0.4243, 0.4362)$

Have a look what the booklet for
Yxy(78.5721, 0.4243, 0.4362)
contains.

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Color

Yxy(75.6328, 0.4126, 0.4424)

Conversions

Conversions Part 1

Format	Color
Hex	FFE06B
RGB	255, 224, 107
RGB Percent	100%, 88%, 42%
CMY	0.0002, 0.1215, 0.5804
CMYK	0.00, 0.12, 0.58, 0.00
HSL	47°, 100%, 71%
HSV	47°, 58%, 100%
XYZ	70.5382, 75.6328, 24.7892
YIQ	219.9310, 56.0330, -29.8150

Conversions

Conversions Part 2

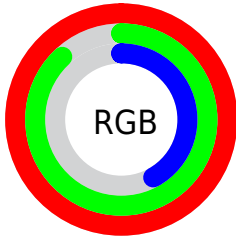
Format	Color
RYB	146, 255, 107
Decimal	16769131
CIELab	89.69, -2.87, 60.10
CIElCh	90, 60.167, 92.731
Yxy	75.6328, 0.4126, 0.4424
Android (android.graphics.Color)	4294959211 (0xFFFFE06B)
YUV	219.9310, -55.6750, 30.7555
Hunter-Lab	86.9671, -7.4128, 43.9769

Details

The Yxy color **75.6328, 0.4126, 0.4424** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **28.5015, 0.2074, 0.1781**, and the grayscale version is **71.8853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3886, 0.3678, 0.4200**, and **40.2351, 0.4304, 0.4639** is the 20% darker color. If you saturate the color by 10%, you get **72.3553, 0.4286, 0.4562**, and if you desaturate by 10%, it is **79.1654, 0.3951, 0.4254**.

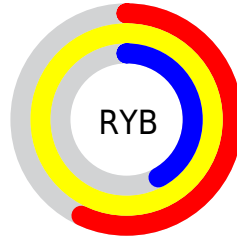
Distribution



Red (100%)

Green (88%)

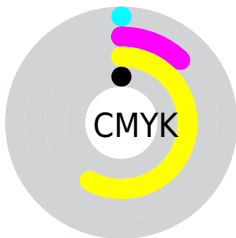
Blue (42%)



Red (57%)

Yellow (100%)

Blue (42%)

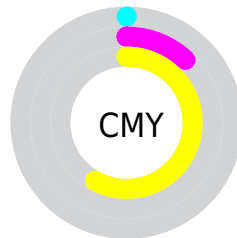


Cyan (0%)

Magenta (12%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6328, 0.4126, 0.4424 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 75.6328, 0.4126, 0.4424 by changing the saturation by 10% instead.


 75.6328, 0.4126,
0.4424


 75.6328, 0.4126,
0.4424


480.0898, 0.3696,
0.3929


 56.1315, 0.4211,
0.4524


 127.2077, 0.3987,
0.4262

 40.3083, 0.4307,
0.4639


 160.0501, 0.3930,
0.4196

 27.7790, 0.4415,
0.4770


 198.1082, 0.3879,
0.4138

 18.1592, 0.4531,
0.4915

 241.7666, 0.3834,
0.4086

 11.0643, 0.4655,
0.5078

291.4095, 0.3794,
0.4040

 6.1101, 0.4763,
0.5237

347.4214, 0.3758,

 2.9121, 0.4732,

0.3999

0.5268

410.1867, 0.3726,
0.3962

■ 1.0860, 0.4677,
0.5323

■ 0.0000, 0.0000,
0.0000

■ 75.6328, 0.4126,
0.4424

■ 75.6328, 0.4126,
0.4424

■ 72.3553, 0.4286,
0.4562

■ 79.1654, 0.3951,
0.4254

■ 69.3071, 0.4424,
0.4658


■ 82.9559, 0.3770,
0.4061


■ 66.4740, 0.4534,
0.4707

■ 87.0200, 0.3590,
0.3857

■ 63.8321, 0.4614,
0.4710

■ 91.3687, 0.3415,
0.3650

 63.3285, 0.4628,
0.4707

 96.0125, 0.3251,
0.3447

99.9922, 0.3127,
0.3290

Harmonies

Analogous

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



75.6328, 0.4503, 0.3972



75.6328, 0.4126, 0.4424



75.6328, 0.3505, 0.4606

Triad

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



75.6328, 0.4126, 0.4424



75.6328, 0.1935, 0.2899



75.6328, 0.3325, 0.2508

Complementary

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



75.6328, 0.4126, 0.4424



28.5015, 0.2074, 0.1781

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.



75.6328, 0.2633, 0.2252



75.6328, 0.4126, 0.4424



75.6328, 0.1902, 0.2413

Square

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



75.6328, 0.4126, 0.4424



75.6328, 0.2250, 0.3620



75.6328, 0.2138, 0.2208



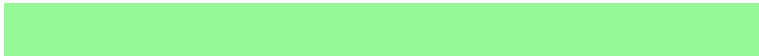
75.6328, 0.4034, 0.2927

Rectangle

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



75.6328, 0.4126, 0.4424



75.6328, 0.3043, 0.4467



75.6328, 0.2138, 0.2208



75.6328, 0.3081, 0.2402

Sweetspot

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



75.6364, 0.4126, 0.4424



91.8683, 0.3398, 0.3629



33.6329, 0.4525, 0.2976



19.4702, 0.3432, 0.3671



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.



75.6364, 0.4126, 0.4424



71.7641, 0.4315, 0.4585



86.7069, 0.3664, 0.4824



20.4078, 0.3274, 0.3477



33.3260, 0.4619, 0.4714



3.3989, 0.4561, 0.4760

Inverse Universe

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



28.5015, 0.2074, 0.1781



20.7719, 0.1866, 0.1432



24.1144, 0.2271, 0.1535



17.9930, 0.2979, 0.3096



5.2895, 0.1558, 0.0809



0.6637, 0.1612, 0.1003

Previews

White Background



This preview shows how the Yxy color 75.6328, 0.4126, 0.4424 looks on a white background.

Color Contrast Check

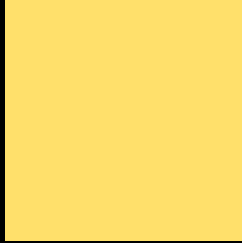
Large Text (above 18pt) WCAG AA × Fail

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 75.6328, 0.4126, 0.4424 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 75.6328, 0.4126, 0.4424

Background



This preview shows how black text looks on a background with the Yxy color 75.6328, 0.4126, 0.4424.



This preview shows how white text looks on a background with the Yxy color 75.6328, 0.4126, 0.4424.

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

75.6328, 0.4126, 0.4424

Protanopia

75.7994, 0.4071, 0.4451

Deuteranopia

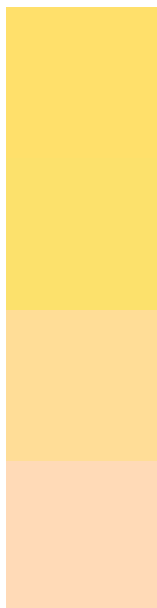
75.5810, 0.3697, 0.3742



Tritanopia

75.4069, 0.3338, 0.3170

Trichromacy



Original Color

75.6328, 0.4126, 0.4424

Protanomaly

75.6286, 0.4092, 0.4435

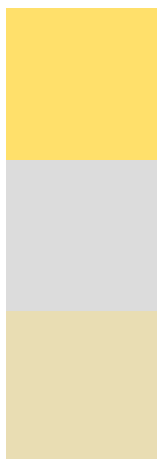
Deuteranomaly

75.2073, 0.3869, 0.4004

Tritanomaly

74.8217, 0.3652, 0.3650

Monochromacy



Original Color

75.6328, 0.4126, 0.4424

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.2912, 0.3504, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6328, 0.4126, 0.4424 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, 224, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 107)  
}
```

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, 224, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 107) }
```

Border

The CSS property to change the border of an element to Yxy 75.6328, 0.4126, 0.4424 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, 224, 107) }
```

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

```
.border{ border-color:rgb(255, 224, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6328, 0.4126, 0.4424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 107) }
```

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

```
.background{ background-color: rgb(255,  
224, 107) }
```

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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