

Converting Colors

$Y_{xy}(76.8769, 0.4131, 0.4320)$

Have a look what the booklet for
Yxy(76.8769, 0.4131, 0.4320)
contains.

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Color

Yxy(75.2963, 0.4082, 0.4342)

Conversions

Conversions Part 1

Format	Color
Hex	FFDF74
RGB	255, 223, 116
RGB Percent	100%, 87%, 45%
CMY	0.0000, 0.1255, 0.5450
CMYK	0.00, 0.13, 0.55, 0.00
HSL	46°, 100%, 73%
HSV	46°, 55%, 100%
XYZ	70.7875, 75.2963, 27.3300
YIQ	220.3700, 53.4190, -26.4930

Conversions

Conversions Part 2

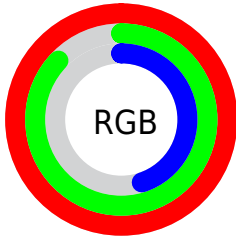
Format	Color
RYB	158, 255, 116
Decimal	16768884
CIELab	89.53, -1.66, 55.79
CIELCh	90, 55.815, 91.701
Yxy	75.2963, 0.4082, 0.4342
Android (android.graphics.Color)	4294958964 (0xFFFFDF74)
YUV	220.3700, -51.4544, 30.3705
Hunter-Lab	86.7734, -6.2378, 42.0675

Details

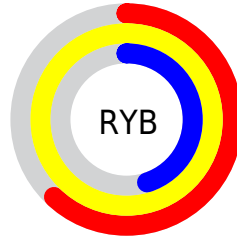
The Yxy color **75.2963, 0.4082, 0.4342** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.1202, 0.2148, 0.1925**, and the grayscale version is **72.1802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6823, 0.3632, 0.4124**, and **40.0999, 0.4269, 0.4545** is the 20% darker color. If you saturate the color by 10%, you get **71.6974, 0.4255, 0.4490**, and if you desaturate by 10%, it is **79.1646, 0.3898, 0.4166**.

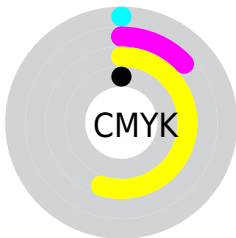
Distribution



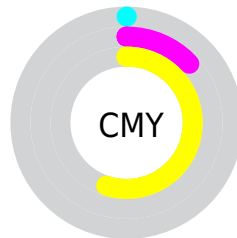
- Red (100%)
- Green (87%)
- Blue (45%)



- Red (62%)
- Yellow (100%)
- Blue (45%)



- Cyan (0%)
- Magenta (13%)
- Yellow (55%)
- Black (0%)




- Cyan (0%)
- Magenta (13%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2963, 0.4082, 0.4342 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 75.2963, 0.4082, 0.4342 by changing the saturation by 10% instead.


 75.2963, 0.4082,
0.4342

 75.2963, 0.4082,
0.4342


478.9354, 0.3666,
0.3879


 55.8557, 0.4166,
0.4437


 126.7317, 0.3945,
0.4189

 40.0872, 0.4264,
0.4547


 159.4953, 0.3890,
0.4128

 27.6065, 0.4375,
0.4674


 197.4686, 0.3841,
0.4073

 18.0293, 0.4500,
0.4819

241.0360, 0.3798,
0.4025

 10.9710, 0.4632,
0.4976

290.5821, 0.3759,
0.3983

 6.0473, 0.4809,
0.5191

346.4910, 0.3725,

 2.8739, 0.4792,

0.3945

0.5208

409.1473, 0.3694,
0.3910

■ 1.0663, 0.4759,
0.5241

■ 0.0000, 0.0000,
0.0000

■ 75.2963, 0.4082,
0.4342

■ 75.2963, 0.4082,
0.4342

■ 71.6974, 0.4255,
0.4490

■ 79.1646, 0.3898,
0.4166

■ 68.3566, 0.4410,
0.4598

■ 83.3189, 0.3712,
0.3973

■ 65.2556, 0.4538,
0.4661

■ 87.7701, 0.3530,
0.3772

■ 62.3738, 0.4636,
0.4675

■ 92.5293, 0.3357,
0.3571

■ 60.8675, 0.4680,
0.4666

■ 97.6069, 0.3196,
0.3375

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.



75.2963, 0.4417, 0.3922



75.2963, 0.4082, 0.4342



75.2963, 0.3509, 0.4509

Triad

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



75.2963, 0.4082, 0.4342



75.2963, 0.2016, 0.2952



75.2963, 0.3291, 0.2545

Complementary

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



75.2963, 0.4082, 0.4342



32.1202, 0.2148, 0.1925

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.



75.2963, 0.2648, 0.2310



75.2963, 0.4082, 0.4342



75.2963, 0.1973, 0.2485

Square

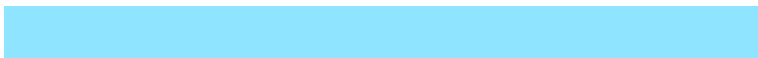
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.2963, 0.4082, 0.4342



75.2963, 0.2325, 0.3622



75.2963, 0.2189, 0.2278



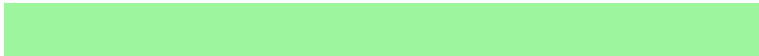
75.2963, 0.3951, 0.2938

Rectangle

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



75.2963, 0.4082, 0.4342



75.2963, 0.3077, 0.4386



75.2963, 0.2189, 0.2278



75.2963, 0.3064, 0.2446

Sweetspot

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



75.2952, 0.4082, 0.4342



91.7969, 0.3382, 0.3600



35.9070, 0.4365, 0.2965



19.4352, 0.3418, 0.3642



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.



75.2952, 0.4082, 0.4342



71.5255, 0.4263, 0.4496



87.6772, 0.3658, 0.4730



20.3397, 0.3275, 0.3472



32.0422, 0.4670, 0.4674



3.2842, 0.4604, 0.4726

Inverse Universe

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



32.1202, 0.2148, 0.1925



24.6427, 0.1959, 0.1618



26.4947, 0.2316, 0.1639



18.0563, 0.2979, 0.3101



5.5768, 0.1569, 0.0847



0.7000, 0.1625, 0.1049

Previews

White Background



This preview shows how the Yxy color 75.2963, 0.4082, 0.4342 looks on a white background.

Color Contrast Check

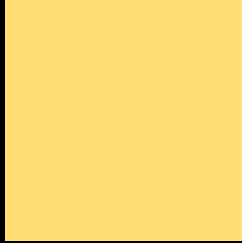
Large Text (above 18pt) WCAG AA × Fail

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 75.2963, 0.4082, 0.4342 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 75.2963, 0.4082, 0.4342

Background



This preview shows how black text looks on a background with the Yxy color 75.2963, 0.4082, 0.4342.



This preview shows how white text looks on a background with the Yxy color 75.2963, 0.4082, 0.4342.

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

75.2963, 0.4082, 0.4342

Protanopia

75.0912, 0.4011, 0.4375

Deuteranopia

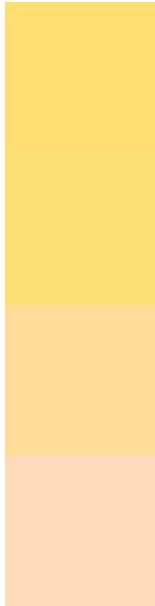
75.0576, 0.3700, 0.3732



Tritanopia

75.3519, 0.3346, 0.3180

Trichromacy



Original Color

75.2963, 0.4082, 0.4342

Protanomaly

75.1049, 0.4040, 0.4356

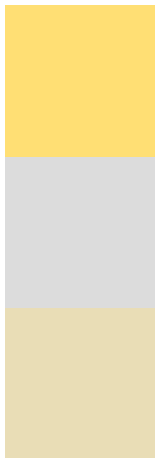
Deuteranomaly

74.7795, 0.3852, 0.3965

Tritanomaly

74.9480, 0.3630, 0.3619

Monochromacy



Original Color

75.2963, 0.4082, 0.4342

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.4139, 0.3483, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2963, 0.4082, 0.4342 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 116) }
```

Border

The CSS property to change the border of an element to Yxy 75.2963, 0.4082, 0.4342 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, 116) }
```

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

```
.border{ border-color:rgb(255, 223, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2963, 0.4082, 0.4342 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, 116) }
```

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

```
.background{ background-color: rgb(255,  
223, 116) }
```

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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