

Converting Colors

$Y_{xy}(72.5307, 0.4042, 0.4191)$

Have a look what the booklet for
Yxy(72.5307, 0.4042, 0.4191)
contains.

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Color

Yxy(72.4442, 0.4041, 0.4185)

Conversions

Conversions Part 1

Format	Color
Hex	FFD980
RGB	255, 217, 128
RGB Percent	100%, 85%, 50%
CMY	0.0000, 0.1490, 0.4981
CMYK	0.00, 0.15, 0.50, 0.00
HSL	42°, 100%, 75%
HSV	42°, 50%, 100%
XYZ	69.9515, 72.4442, 30.7087
YIQ	218.2160, 51.2170, -19.6230

Conversions

Conversions Part 2

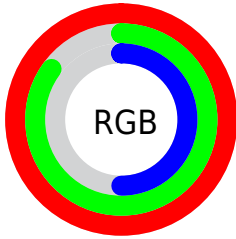
Format	Color
RYB	182, 255, 128
Decimal	16767360
CIELab	88.18, 2.37, 48.47
CIELCh	88, 48.523, 87.202
Yxy	72.4442, 0.4041, 0.4185
Android (android.graphics.Color)	4294957440 (0xFFFFD980)
YUV	218.2160, -44.4765, 32.2596
Hunter-Lab	85.1142, -2.2487, 38.1884

Details

The Yxy color **72.4442, 0.4041, 0.4185** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.0694, 0.2259, 0.2175**, and the grayscale version is **70.5526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **38.0982, 0.4236, 0.4363** is the 20% darker color. If you saturate the color by 10%, you get **68.0139, 0.4242, 0.4335**, and if you desaturate by 10%, it is **77.2266, 0.3838, 0.4013**.

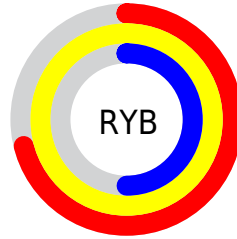
Distribution



Red (100%)

Green (85%)

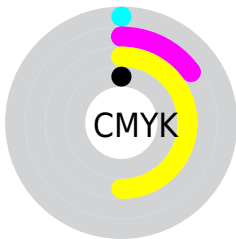
Blue (50%)



Red (71%)

Yellow (100%)

Blue (50%)

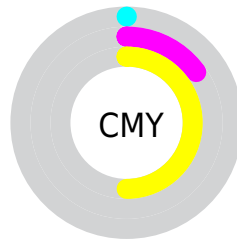


Cyan (0%)

Magenta (15%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (15%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4442, 0.4041, 0.4185 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 72.4442, 0.4041, 0.4185 by changing the saturation by 10% instead.


 72.4442, 0.4041,
0.4185

 72.4442, 0.4041,
0.4185


469.0862, 0.3631,
0.3788

 53.5216, 0.4128,
0.4268


 122.6879, 0.3904,
0.4053

 38.2193, 0.4231,
0.4365


 154.7777, 0.3849,
0.4000

 26.1530, 0.4353,
0.4479


 192.0255, 0.3801,
0.3953

 16.9381, 0.4497,
0.4612

234.8155, 0.3759,
0.3912

 10.1904, 0.4663,
0.4760

283.5322, 0.3721,
0.3876

 5.5254, 0.4962,
0.5030

338.5599, 0.3688,

 2.5587, 0.4993,

0.3844

0.5007

400.2832, 0.3658,
0.3815

0.9059, 0.5042,
0.4958

0.0000, 0.0000,
0.0000

72.4442, 0.4041,
0.4185

72.4442, 0.4041,
0.4185

68.0139, 0.4242,
0.4335

77.2266, 0.3838,
0.4013

63.9180, 0.4433,
0.4452

82.3725, 0.3641,
0.3830

60.1400, 0.4603,
0.4526

87.8957, 0.3454,
0.3644

56.6598, 0.4744,
0.4549

93.8082, 0.3282,
0.3461

■ 53.4466, 0.4855,
0.4526

100.0000, 0.3127,
0.3290

■ 53.3888, 0.4857,
0.4525

Harmonies

Analogous

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



72.4442, 0.4286, 0.3802



72.4442, 0.4041, 0.4185



72.4442, 0.3559, 0.4359

Triad

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



72.4442, 0.4041, 0.4185



72.4442, 0.2162, 0.3081



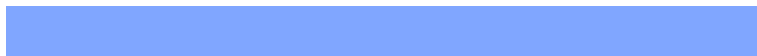
72.4442, 0.3185, 0.2581

Complementary

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



72.4442, 0.4041, 0.4185



39.0694, 0.2259, 0.2175

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.



72.4442, 0.2630, 0.2395



72.4442, 0.4041, 0.4185



72.4442, 0.2085, 0.2628

Square

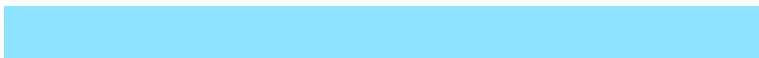
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4442, 0.4041, 0.4185



72.4442, 0.2480, 0.3675



72.4442, 0.2246, 0.2401



72.4442, 0.3774, 0.2920

Rectangle

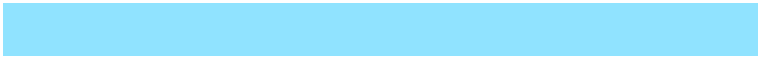
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.4442, 0.4041, 0.4185



72.4442, 0.3178, 0.4284



72.4442, 0.2246, 0.2401



72.4442, 0.2987, 0.2500

Sweetspot

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



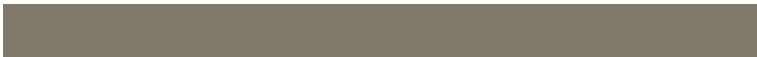
72.4450, 0.4041, 0.4185



90.6926, 0.3369, 0.3555



39.4479, 0.4104, 0.2899



19.1474, 0.3406, 0.3594



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.



72.4450, 0.4041, 0.4185



67.9347, 0.4246, 0.4338



89.8339, 0.3683, 0.4585



20.1193, 0.3277, 0.3456



28.1704, 0.4844, 0.4536



2.9341, 0.4751, 0.4609

Inverse Universe

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



39.0694, 0.2259, 0.2175



31.1515, 0.2077, 0.1899



29.4610, 0.2338, 0.1768



18.2634, 0.2979, 0.3118



6.7195, 0.1609, 0.0991



0.8354, 0.1670, 0.1210

Previews

White Background



This preview shows how the Yxy color 72.4442, 0.4041, 0.4185 looks on a white background.

Color Contrast Check

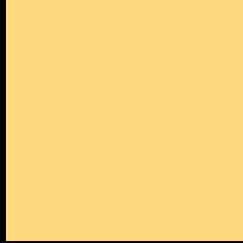
Large Text (above 18pt) WCAG AA × Fail

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 72.4442, 0.4041, 0.4185 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 72.4442, 0.4041, 0.4185

Background



This preview shows how black text looks on a background with the Yxy color 72.4442, 0.4041, 0.4185.



This preview shows how white text looks on a background with the Yxy color 72.4442, 0.4041, 0.4185.

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

72.4442, 0.4041, 0.4185

Protanopia

72.3793, 0.3914, 0.4238

Deuteranopia

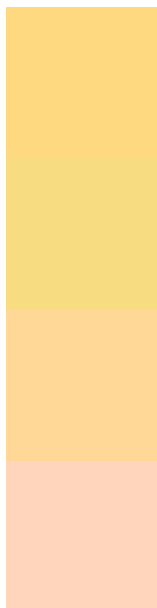
72.6141, 0.3786, 0.3796



Tritanopia

72.6271, 0.3381, 0.3170

Trichromacy



Original Color

72.4442, 0.4041, 0.4185

Protanomaly

72.5455, 0.3956, 0.4226

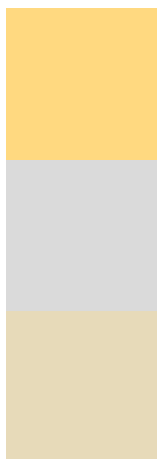
Deuteranomaly

72.6387, 0.3883, 0.3946

Tritanomaly

72.4793, 0.3628, 0.3549

Monochromacy



Original Color

72.4442, 0.4041, 0.4185

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.6345, 0.3453, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4442, 0.4041, 0.4185 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, 217, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 128)  
}
```

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, 217, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 128) }
```

Border

The CSS property to change the border of an element to Yxy 72.4442, 0.4041, 0.4185 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, 217, 128) }
```

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

```
.border{ border-color:rgb(255, 217, 128) }
```

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

Here you see how a box with a 4 pixel rgb(255, 217, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
128) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.4442, 0.4041, 0.4185$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 128) }
```

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

```
.background{ background-color: rgb(255,  
217, 128) }
```

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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