

Converting Colors

$Y_{xy}(81.5575, 0.3972, 0.4270)$

Have a look what the booklet for
Yxy(81.5575, 0.3972, 0.4270)
contains.

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Color

Yxy(80.6392, 0.3942, 0.4281)

Conversions

Conversions Part 1

Format	Color
Hex	FFE884
RGB	255, 232, 132
RGB Percent	100%, 91%, 52%
CMY	0.0001, 0.0901, 0.4824
CMYK	0.00, 0.09, 0.48, 0.00
HSL	49°, 100%, 76%
HSV	49°, 48%, 100%
XYZ	74.2536, 80.6392, 33.4725
YIQ	227.4770, 45.8080, -26.2240

Conversions

Conversions Part 2

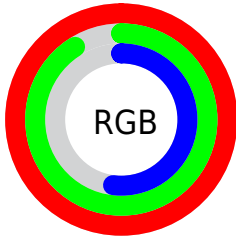
Format	Color
R _Y B	160, 255, 132
Decimal	16771204
CIE Lab	91.97, -4.89, 51.18
CIE LCh	92, 51.409, 95.460
Yxy	80.6392, 0.3942, 0.4281
Android (android.graphics.Color)	4294961284 (0xFFFE884)
YUV	227.4770, -47.0702, 24.1377
Hunter-Lab	89.7993, -9.5501, 40.7593

Details

The Yxy color **80.6392, 0.3942, 0.4281** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.5445, 0.2254, 0.2041**, and the grayscale version is **77.5051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3679, 0.3532, 0.3959**, and **43.7592, 0.4091, 0.4482** is the 20% darker color. If you saturate the color by 10%, you get **77.3845, 0.4110, 0.4454**, and if you desaturate by 10%, it is **84.1445, 0.3766, 0.4085**.

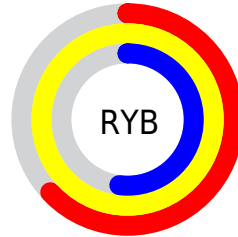
Distribution



Red (100%)

Green (91%)

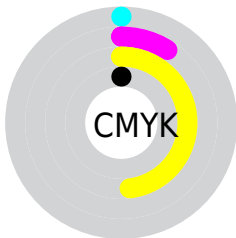
Blue (52%)



Red (63%)

Yellow (100%)

Blue (52%)

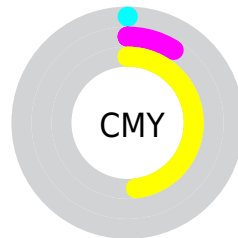


Cyan (0%)

Magenta (9%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6392, 0.3942, 0.4281 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 80.6392, 0.3942, 0.4281 by changing the saturation by 10% instead.


 80.6392, 0.3942,
0.4281


 80.6392, 0.3942,
0.4281


497.0844, 0.3589,
0.3842

 60.2445, 0.4014,
0.4373


 134.2640, 0.3826,
0.4134

 43.6157, 0.4098,
0.4483


 168.2630, 0.3779,
0.4076

 30.3685, 0.4195,
0.4612


 207.5654, 0.3737,
0.4024

 20.1185, 0.4307,
0.4766

252.5558, 0.3701,
0.3979

 12.4812, 0.4429,
0.4945

303.6185, 0.3668,
0.3939

 7.0723, 0.4599,
0.5199

361.1379, 0.3639,

 3.5073, 0.4646,

0.3903

0.5354

425.4984, 0.3613,
0.3871

■ 1.4020, 0.4563,
0.5437

■ 0.2182, 0.2873,
0.7127

■ 80.6392, 0.3942,
0.4281

■ 80.6392, 0.3942,
0.4281

■ 77.3845, 0.4110,
0.4454

■ 84.1445, 0.3766,
0.4085

■ 74.3560, 0.4262,
0.4595

■ 87.9011, 0.3589,
0.3877

■ 71.5425, 0.4391,
0.4693

■ 91.9237, 0.3417,
0.3665

■ 68.9263, 0.4492,
0.4745

■ 96.2225, 0.3254,
0.3456

■ 66.4833, 0.4564, 99.9954, 0.3127,
0.4751 0.3290

■ 66.0652, 0.4575,
0.4750

Harmonies

Analogous

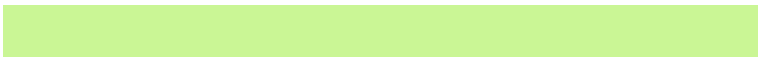
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6392, 0.4273, 0.3930



80.6392, 0.3942, 0.4281



80.6392, 0.3408, 0.4374

Triad

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



80.6392, 0.3942, 0.4281



80.6392, 0.2096, 0.2927



80.6392, 0.3356, 0.2649

Complementary

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



80.6392, 0.3942, 0.4281



35.5445, 0.2254, 0.2041

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.



80.6392, 0.2762, 0.2412



80.6392, 0.3942, 0.4281



80.6392, 0.2086, 0.2526

Square

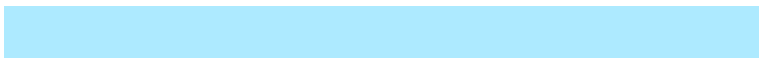
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6392, 0.3942, 0.4281



80.6392, 0.2354, 0.3512



80.6392, 0.2315, 0.2360



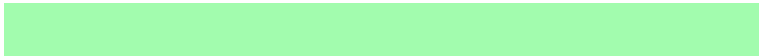
80.6392, 0.3933, 0.3026

Rectangle

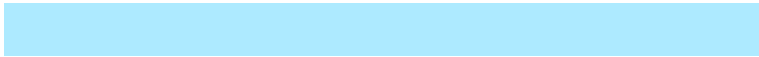
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6392, 0.3942, 0.4281



80.6392, 0.3016, 0.4224



80.6392, 0.2315, 0.2360



80.6392, 0.3150, 0.2552

Sweetspot

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



80.6430, 0.3942, 0.4281



93.7318, 0.3347, 0.3575



40.1721, 0.4199, 0.3038



19.8663, 0.3382, 0.3621



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

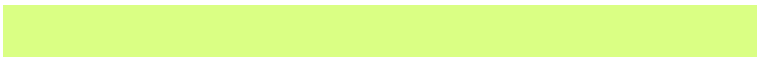
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6430, 0.3942, 0.4281



77.4763, 0.4106, 0.4451



88.0871, 0.3584, 0.4585



20.4802, 0.3274, 0.3482



34.7348, 0.4567, 0.4755



3.5242, 0.4517, 0.4796

Inverse Universe

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



35.5445, 0.2254, 0.2041



27.5987, 0.2065, 0.1741



32.1367, 0.2460, 0.1854



17.9262, 0.2979, 0.3091



5.0163, 0.1548, 0.0772



0.6279, 0.1600, 0.0958

Previews

White Background



This preview shows how the Yxy color 80.6392, 0.3942, 0.4281 looks on a white background.

Color Contrast Check

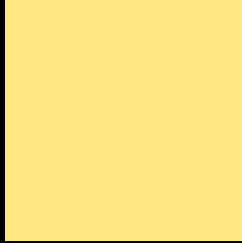
Large Text (above 18pt) WCAG AA × Fail

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 80.6392, 0.3942, 0.4281 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 80.6392, 0.3942, 0.4281

Background



This preview shows how black text looks on a background with the Yxy color 80.6392, 0.3942, 0.4281.



This preview shows how white text looks on a background with the Yxy color 80.6392, 0.3942, 0.4281.

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

80.6392, 0.3942, 0.4281

Protanopia

80.6392, 0.3942, 0.4281

Deuteranopia

80.7780, 0.3528, 0.3605



Tritanopia

80.5695, 0.3273, 0.3182

Trichromacy

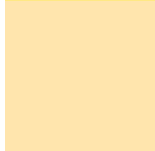


Original Color

80.6392, 0.3942, 0.4281

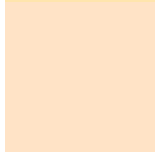
Protanomaly

80.6392, 0.3942, 0.4281



Deuteranomaly

80.3158, 0.3691, 0.3859



Tritanomaly

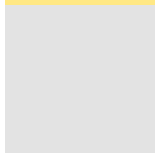
80.2754, 0.3523, 0.3585

Monochromacy



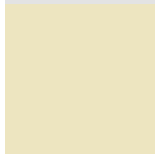
Original Color

80.6392, 0.3942, 0.4281



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

77.8489, 0.3428, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6392, 0.3942, 0.4281 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, 232, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 132)  
}
```

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, 232, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 132) }
```

Border

The CSS property to change the border of an element to Yxy 80.6392, 0.3942, 0.4281 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, 232, 132) }
```

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

```
.border{ border-color:rgb(255, 232, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6392, 0.3942, 0.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 132) }
```

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

```
.background{ background-color: rgb(255,  
232, 132) }
```

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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