

Converting Colors

$Yxy(88.9497, 0.4332, 0.4385)$

Have a look what the booklet for
Yxy(88.9497, 0.4332, 0.4385)
contains.

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Color

Yxy(81.6966, 0.4073, 0.4527)

Conversions

Conversions Part 1

Format	Color
Hex	FFE669
RGB	255, 235, 105
RGB Percent	100%, 92%, 41%
CMY	0.0000, 0.0784, 0.5881
CMYK	0.00, 0.08, 0.59, 0.00
HSL	52°, 100%, 71%
HSV	52°, 59%, 100%
XYZ	73.5035, 81.6966, 25.2651
YIQ	226.1600, 53.6500, -36.1900

Conversions

Conversions Part 2

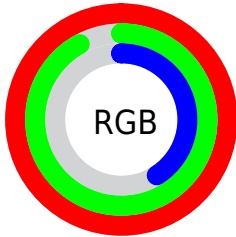
Format	Color
R _Y B	128, 255, 105
Decimal	16771945
CIE Lab	92.44, -8.47, 64.07
CIE LCh	92, 64.625, 97.534
Yxy	81.6966, 0.4073, 0.4527
Android (android.graphics.Color)	4294962025 (0xFFFFE669)
YUV	226.1600, -59.7319, 25.2927
Hunter-Lab	90.3862, -13.0167, 46.6973

Details

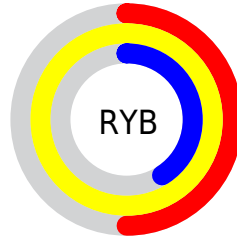
The Yxy color **81.6966, 0.4073, 0.4527** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **24.8980, 0.2029, 0.1618**, and the grayscale version is **76.5882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3181, 0.3689, 0.4219**, and **44.4664, 0.4223, 0.4768** is the 20% darker color. If you saturate the color by 10%, you get **79.3205, 0.4206, 0.4672**, and if you desaturate by 10%, it is **84.2687, 0.3921, 0.4348**.

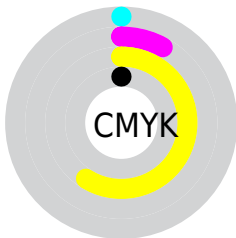
Distribution



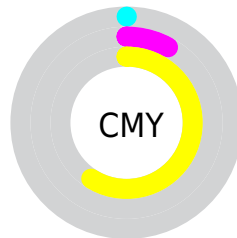
- Red (100%)
- Green (92%)
- Blue (41%)



- Red (50%)
- Yellow (100%)
- Blue (41%)



- Cyan (0%)
- Magenta (8%)
- Yellow (59%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6966, 0.4073, 0.4527 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 81.6966, 0.4073, 0.4527 by changing the saturation by 10% instead.


 81.6966, 0.4073,
0.4527


 81.6966, 0.4073,
0.4527


500.6323, 0.3680,
0.3989

 61.1155, 0.4147,
0.4635


 135.7484, 0.3948,
0.4351


 44.3184, 0.4229,
0.4760

 169.9880, 0.3896,
0.4279

 30.9209, 0.4319,
0.4903


 209.5491, 0.3850,
0.4216

 20.5386, 0.4410,
0.5064

 254.8162, 0.3809,
0.4160

 12.7872, 0.4497,
0.5242

306.1736, 0.3771,
0.4110

 7.2821, 0.4563,
0.5437

364.0059, 0.3738,

 3.6392, 0.4481,

0.4065

0.5519

428.6973, 0.3707,
0.4025

■ 1.4738, 0.4340,
0.5660

■ 0.2702, 0.1561,
0.8439

■ 81.6966, 0.4073,
0.4527

■ 81.6966, 0.4073,
0.4527

■ 79.3205, 0.4206,
0.4672

■ 84.2687, 0.3921,
0.4348

■ 77.1233, 0.4315,
0.4774


■ 87.0473, 0.3757,
0.4143

■ 75.0883, 0.4396,
0.4831

■ 90.0448, 0.3589,
0.3925

■ 73.1904, 0.4449,
0.4844

■ 93.2720, 0.3422,
0.3701

 72.9705, 0.4455,
0.4845

 96.7386, 0.3262,
0.3479

100.0000, 0.3127,
0.3290

Harmonies

Analogous

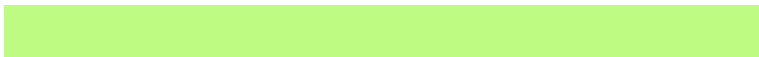
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6966, 0.4523, 0.4078



81.6966, 0.4073, 0.4527



81.6966, 0.3401, 0.4659

Triad

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



81.6966, 0.4073, 0.4527



81.6966, 0.1862, 0.2776



81.6966, 0.3457, 0.2536

Complementary

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



81.6966, 0.4073, 0.4527



24.8980, 0.2029, 0.1618

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.



81.6966, 0.2714, 0.2240



81.6966, 0.4073, 0.4527



81.6966, 0.1874, 0.2321

Square

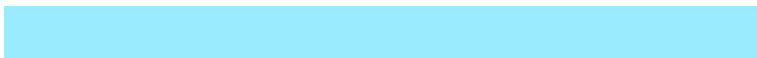
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6966, 0.4073, 0.4527



81.6966, 0.2140, 0.3503



81.6966, 0.2163, 0.2156



81.6966, 0.4178, 0.2990

Rectangle

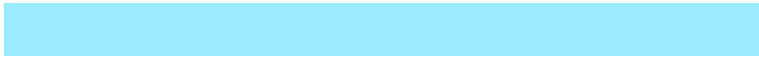
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6966, 0.4073, 0.4527



81.6966, 0.2920, 0.4458



81.6966, 0.2163, 0.2156



81.6966, 0.3198, 0.2417

Sweetspot

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



81.6974, 0.4073, 0.4527



93.5451, 0.3409, 0.3683



32.9140, 0.4686, 0.3075



19.8151, 0.3457, 0.3748



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.



81.6974, 0.4073, 0.4527



78.8254, 0.4232, 0.4698



85.1680, 0.3600, 0.4881



20.6531, 0.3272, 0.3494



38.2892, 0.4450, 0.4849



3.8377, 0.4416, 0.4875

Inverse Universe

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



24.8980, 0.2029, 0.1618



17.4267, 0.1812, 0.1251



24.5482, 0.2333, 0.1543



17.7681, 0.2979, 0.3077



4.4896, 0.1528, 0.0701



0.5519, 0.1572, 0.0858

Previews

White Background



This preview shows how the Yxy color 81.6966, 0.4073, 0.4527 looks on a white background.

Color Contrast Check

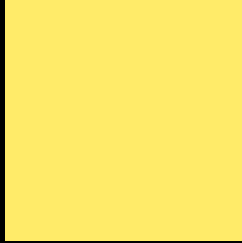
Large Text (above 18pt) WCAG AA × Fail

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 81.6966, 0.4073, 0.4527 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 81.6966, 0.4073, 0.4527

Background



This preview shows how black text looks on a background with the Yxy color 81.6966, 0.4073, 0.4527.



This preview shows how white text looks on a background with the Yxy color 81.6966, 0.4073, 0.4527.

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

81.6966, 0.4073, 0.4527

Protanopia

81.9118, 0.3903, 0.4253

Deuteranopia

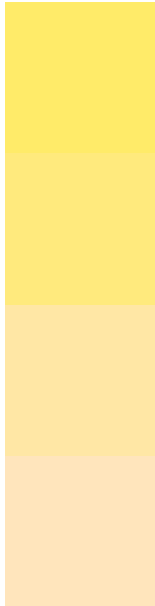
81.4221, 0.3512, 0.3594



Tritanopia

81.7088, 0.3265, 0.3192

Trichromacy



Original Color

81.6966, 0.4073, 0.4527

Protanomaly

81.5863, 0.3973, 0.4359

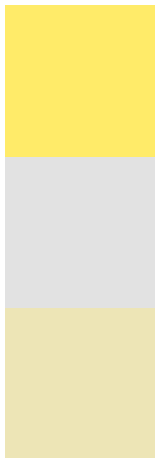
Deuteranomaly

81.1284, 0.3738, 0.3958

Tritanomaly

80.9295, 0.3588, 0.3707

Monochromacy



Original Color

81.6966, 0.4073, 0.4527

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.4205, 0.3495, 0.3791

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6966, 0.4073, 0.4527 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, 235, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 105)  
}
```

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, 235, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 105) }
```

Border

The CSS property to change the border of an element to Yxy 81.6966, 0.4073, 0.4527 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, 235, 105) }
```

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

```
.border{ border-color:rgb(255, 235, 105) }
```

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

Here you see how a box with a 4 pixel rgb(255, 235, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6966, 0.4073, 0.4527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 105) }
```

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

```
.background{ background-color: rgb(255,  
235, 105) }
```

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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