

Converting Colors

Yxy(81.9126, 0.4129, 0.4627)

Have a look what the booklet for
Yxy(81.9126, 0.4129, 0.4627)
contains.

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Color

Yxy(82.0236, 0.4127, 0.4626)

Conversions

Conversions Part 1

Format	Color
Hex	FFEC5C
RGB	255, 236, 92
RGB Percent	100%, 93%, 36%
CMY	0.0000, 0.0745, 0.6390
CMYK	0.00, 0.07, 0.64, 0.00
HSL	53°, 100%, 68%
HSV	53°, 64%, 100%
XYZ	73.1758, 82.0236, 22.1106
YIQ	225.2650, 57.5480, -40.7560

Conversions

Conversions Part 2

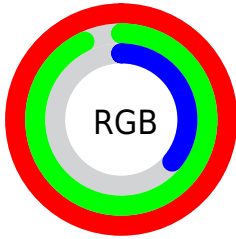
Format	Color
RYB	114, 255, 92
Decimal	16772188
CIELab	92.59, -9.78, 69.66
CIELCh	93, 70.343, 97.991
Yxy	82.0236, 0.4127, 0.4626
Android (android.graphics.Color)	4294962268 (0xFFFFEC5C)
YUV	225.2650, -65.6996, 26.0776
Hunter-Lab	90.5669, -14.2684, 48.9220

Details

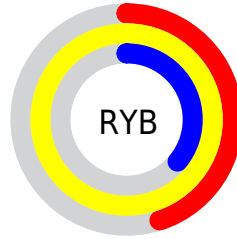
The Yxy color **82.0236, 0.4127, 0.4626** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **20.8778, 0.1926, 0.1428**, and the grayscale version is **75.9486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9181, 0.3756, 0.4329**, and **44.7488, 0.4274, 0.4870** is the 20% darker color. If you saturate the color by 10%, you get **79.9508, 0.4243, 0.4752**, and if you desaturate by 10%, it is **84.2731, 0.3988, 0.4461**.

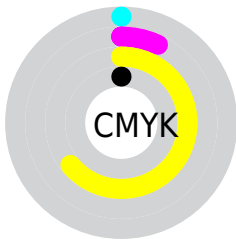
Distribution



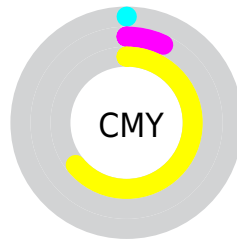
- Red (100%)
- Green (93%)
- Blue (36%)



- Red (45%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (7%)
- Yellow (64%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.0236, 0.4127, 0.4626 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 82.0236, 0.4127, 0.4626 by changing the saturation by 10% instead.


 82.0236, 0.4127,
0.4626


 82.0236, 0.4127,
0.4626


501.7266, 0.3720,
0.4051


 61.3850, 0.4200,
0.4739


 136.2071, 0.4001,
0.4440


 44.5359, 0.4280,
0.4867


 170.5208, 0.3947,
0.4364

 31.0921, 0.4363,
0.5012


 210.1616, 0.3899,
0.4296

 20.6690, 0.4441,
0.5169


 255.5139, 0.3856,
0.4236

 12.8822, 0.4528,
0.5363

306.9622, 0.3817,
0.4182

 7.3475, 0.4516,
0.5484

364.8908, 0.3781,

 3.6804, 0.4421,

0.4134

0.5579

429.6842, 0.3749,
0.4090

■ 1.4964, 0.4258,
0.5742

■ 0.2862, 0.1043,
0.8957

■ 82.0236, 0.4127,
0.4626

■ 82.0236, 0.4127,
0.4626

■ 79.9508, 0.4243,
0.4752

■ 84.2731, 0.3988,
0.4461

■ 78.0415, 0.4332,
0.4833


■ 86.7158, 0.3834,
0.4266

■ 76.2756, 0.4393,
0.4869

■ 89.3629, 0.3670,
0.4050

■ 75.2524, 0.4419,
0.4873

■ 92.2256, 0.3505,
0.3824

 95.3138, 0.3342,
0.3597

 98.6372, 0.3186,
0.3374

100.0000, 0.3127,
0.3290

Harmonies

Analogous

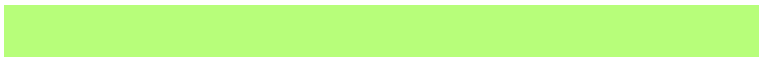
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0236, 0.4626, 0.4130



82.0236, 0.4127, 0.4626



82.0236, 0.3399, 0.4785

Triad

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



82.0236, 0.4127, 0.4626



82.0236, 0.1768, 0.2715



82.0236, 0.3495, 0.2486

Complementary

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



82.0236, 0.4127, 0.4626



20.8778, 0.1926, 0.1428

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.



82.0236, 0.2688, 0.2169



82.0236, 0.4127, 0.4626



82.0236, 0.1788, 0.2238

Square

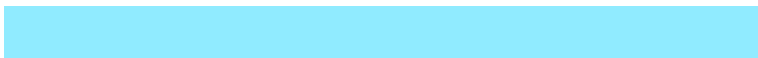
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0236, 0.4127, 0.4626



82.0236, 0.2053, 0.3503



82.0236, 0.2096, 0.2073



82.0236, 0.4279, 0.2969

Rectangle

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



82.0236, 0.4127, 0.4626



82.0236, 0.2882, 0.4565



82.0236, 0.2096, 0.2073



82.0236, 0.3213, 0.2359

Sweetspot

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



82.0227, 0.4127, 0.4626



93.7109, 0.3424, 0.3713



30.0716, 0.4976, 0.3121



19.8711, 0.3471, 0.3778



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.



82.0227, 0.4127, 0.4626



79.3429, 0.4274, 0.4782



83.5700, 0.3583, 0.5026



20.7076, 0.3272, 0.3498



39.4650, 0.4415, 0.4877



3.9407, 0.4386, 0.4899

Inverse Universe

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



20.8778, 0.1926, 0.1428



14.1058, 0.1715, 0.1060



21.8031, 0.2292, 0.1415



17.7188, 0.2979, 0.3073



4.3581, 0.1523, 0.0683



0.5287, 0.1563, 0.0827

Previews

White Background



This preview shows how the Yxy color 82.0236, 0.4127, 0.4626 looks on a white background.

Color Contrast Check

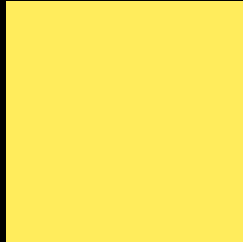
Large Text (above 18pt) WCAG AA × Fail

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 82.0236, 0.4127, 0.4626 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 82.0236, 0.4127, 0.4626

Background



This preview shows how black text looks on a background with the Yxy color 82.0236, 0.4127, 0.4626.



This preview shows how white text looks on a background with the Yxy color 82.0236, 0.4127, 0.4626.

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

82.0236, 0.4127, 0.4626

Protanopia

81.9697, 0.3891, 0.4235

Deuteranopia

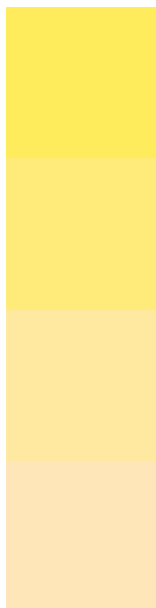
81.9771, 0.3510, 0.3604



Tritanopia

81.7671, 0.3258, 0.3182

Trichromacy



Original Color

82.0236, 0.4127, 0.4626

Protanomaly

82.0818, 0.3985, 0.4392

Deuteranomaly

81.5113, 0.3767, 0.4017

Tritanomaly

81.3143, 0.3613, 0.3757

Monochromacy



Original Color

82.0236, 0.4127, 0.4626

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

77.0458, 0.3521, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0236, 0.4127, 0.4626 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, 236, 92)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 92)  
}
```

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, 236, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 92) }
```

Border

The CSS property to change the border of an element to Yxy 82.0236, 0.4127, 0.4626 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, 236, 92) }
```

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

```
.border{ border-color:rgb(255, 236, 92) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 92);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0236, 0.4127, 0.4626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 92) }
```

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

```
.background{ background-color: rgb(255,  
236, 92) }
```

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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