

Converting Colors

$Y_{xy}(100.0000, 0.4728, 0.4431)$

Have a look what the booklet for
Yxy(100.0000, 0.4728, 0.4431)
contains.

Yxy(82.2336, 0.4214, 0.4777)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.2336, 0.4214, 0.4777)

Conversions

Conversions Part 1

Format	Color
Hex	FFED43
RGB	255, 237, 67
RGB Percent	100%, 93%, 26%
CMY	0.0000, 0.0706, 0.7370
CMYK	0.00, 0.07, 0.74, 0.00
HSL	54°, 100%, 63%
HSV	54°, 74%, 100%
XYZ	72.5418, 82.2336, 17.3694
YIQ	223.0020, 65.2980, -49.0540

Conversions

Conversions Part 2

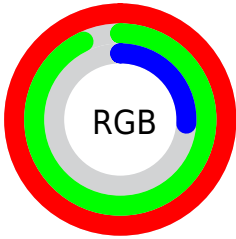
Format	Color
RYB	87, 255, 67
Decimal	16772419
CIELab	92.68, -11.51, 78.91
CIELCh	93, 79.741, 98.296
Yxy	82.2336, 0.4214, 0.4777
Android (android.graphics.Color)	4294962499 (0xFFFFE43)
YUV	223.0020, -76.9090, 28.0622
Hunter-Lab	90.6827, -15.9034, 52.1215

Details

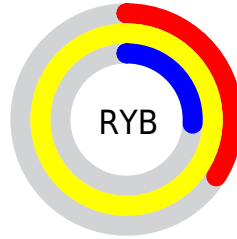
The Yxy color **82.2336, 0.4214, 0.4777** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **14.9234, 0.1753, 0.1107**, and the grayscale version is **74.3217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2864, 0.3869, 0.4517**, and **44.9252, 0.4306, 0.4963** is the 20% darker color. If you saturate the color by 10%, you get **80.5890, 0.4297, 0.4861**, and if you desaturate by 10%, it is **84.0360, 0.4104, 0.4648**.

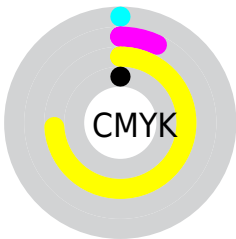
Distribution



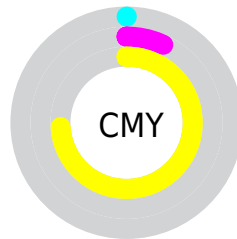
- Red (100%)
- Green (93%)
- Blue (26%)



- Red (34%)
- Yellow (100%)
- Blue (26%)



- Cyan (0%)
- Magenta (7%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2336, 0.4214, 0.4777 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 82.2336, 0.4214, 0.4777 by changing the saturation by 10% instead.


 82.2336, 0.4214,
0.4777

 82.2336, 0.4214,
0.4777


502.4287, 0.3788,
0.4151

 61.5581, 0.4284,
0.4894


 136.5015, 0.4087,
0.4579

 44.6757, 0.4357,
0.5024

 170.8628, 0.4031,
0.4496

 31.2021, 0.4425,
0.5163


 210.5547, 0.3981,
0.4422

 20.7528, 0.4479,
0.5308

 255.9617, 0.3935,
0.4356

 12.9434, 0.4525,
0.5475

 307.4683, 0.3893,
0.4297

 7.3896, 0.4452,
0.5548

365.4587, 0.3855,

 3.7069, 0.4341,

0.4243

0.5659

430.3174, 0.3820,
0.4195

■ 1.5110, 0.4149,
0.5851

■ 0.2965, 0.0031,
0.9969

■ 82.2336, 0.4214,
0.4777

■ 82.2336, 0.4214,
0.4777

■ 80.5890, 0.4297,
0.4861

■ 84.0360, 0.4104,
0.4648

■ 79.0771, 0.4352,
0.4901


■ 86.0062, 0.3971,
0.4480

■ 78.1762, 0.4376,
0.4908

■ 88.1596, 0.3821,
0.4281

■ 90.5084, 0.3662,
0.4061

 93.0635, 0.3499,
0.3831

 95.8351, 0.3337,
0.3599

 98.8325, 0.3182,
0.3372

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.



82.2336, 0.4792, 0.4198



82.2336, 0.4214, 0.4777



82.2336, 0.3398, 0.4995

Triad

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



82.2336, 0.4214, 0.4777



82.2336, 0.1620, 0.2621



82.2336, 0.3545, 0.2401

Complementary

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



82.2336, 0.4214, 0.4777



14.9234, 0.1753, 0.1107

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.



82.2336, 0.2637, 0.2054



82.2336, 0.4214, 0.4777



82.2336, 0.1650, 0.2110

Square

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



82.2336, 0.4214, 0.4777



82.2336, 0.1919, 0.3511



82.2336, 0.1986, 0.1943



82.2336, 0.4438, 0.2927

Rectangle

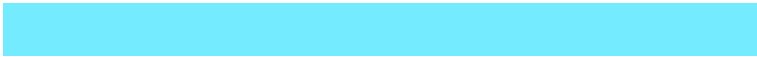
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.2336, 0.4214, 0.4777



82.2336, 0.2825, 0.4753



82.2336, 0.1986, 0.1943



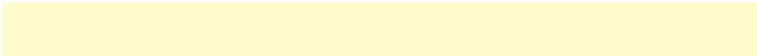
82.2336, 0.3226, 0.2262

Sweetspot

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



82.2355, 0.4214, 0.4777



93.5187, 0.3471, 0.3792



25.9522, 0.5459, 0.3154



19.8619, 0.3515, 0.3855



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.



82.2355, 0.4214, 0.4777



79.9234, 0.4324, 0.4884



81.6087, 0.3577, 0.5255



20.7757, 0.3272, 0.3503



40.9706, 0.4372, 0.4910



4.0720, 0.4349, 0.4929

Inverse Universe

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



14.9234, 0.1753, 0.1107



9.9692, 0.1583, 0.0796



17.0148, 0.2163, 0.1177



17.6574, 0.2979, 0.3068



4.2155, 0.1518, 0.0663



0.4999, 0.1552, 0.0788

Previews

White Background



This preview shows how the Yxy color 82.2336, 0.4214, 0.4777 looks on a white background.

Color Contrast Check

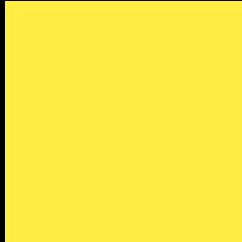
Large Text (above 18pt) WCAG AA × Fail

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 82.2336, 0.4214, 0.4777 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 82.2336, 0.4214, 0.4777

Background



This preview shows how black text looks on a background with the Yxy color 82.2336, 0.4214, 0.4777.



This preview shows how white text looks on a background with the Yxy color 82.2336, 0.4214, 0.4777.

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

82.2336, 0.4214, 0.4777

Protanopia

81.9697, 0.3891, 0.4235

Deuteranopia

81.9771, 0.3510, 0.3604



Tritanopia

82.3126, 0.3257, 0.3192

Trichromacy



Original Color

82.2336, 0.4214, 0.4777



Protanomaly

81.8689, 0.4033, 0.4466



Deuteranomaly

81.7722, 0.3821, 0.4113



Tritanomaly

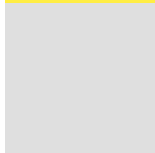
81.5070, 0.3671, 0.3858

Monochromacy



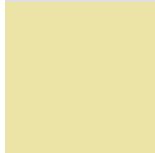
Original Color

82.2336, 0.4214, 0.4777



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

75.9021, 0.3590, 0.3956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2336, 0.4214, 0.4777 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, 237, 67)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 67)  
}
```

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, 237, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 67) }
```

Border

The CSS property to change the border of an element to Yxy 82.2336, 0.4214, 0.4777 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, 237, 67) }
```

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

```
.border{ border-color:rgb(255, 237, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 67);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
67) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 82.2336, 0.4214, 0.4777$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 67) }
```

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

```
.background{ background-color: rgb(255,  
237, 67) }
```

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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