

Converting Colors

$Y_{xy}(82.0713, 0.4014, 0.5045)$

Have a look what the booklet for
Yxy(82.0713, 0.4014, 0.5045)
contains.

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Color

Yxy(82.0205, 0.4012, 0.5047)

Conversions

Conversions Part 1

Format	Color
Hex	E4F531
RGB	228, 245, 49
RGB Percent	89%, 96%, 19%
CMY	0.1059, 0.0392, 0.8081
CMYK	0.07, 0.00, 0.80, 0.04
HSL	65°, 91%, 58%
HSV	65°, 80%, 96%
XYZ	65.2004, 82.0205, 15.2925
YIQ	217.5730, 52.7840, -64.5600

Conversions

Conversions Part 2

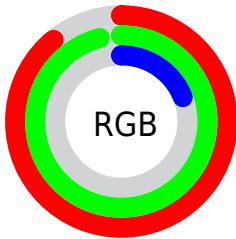
Format	Color
R_{YB}	49, 245, 66
Decimal	15004977
CIE _{Lab}	92.58, -27.07, 83.25
CIE _{LCh}	93, 87.542, 108.010
Yxy	82.0205, 0.4012, 0.5047
Android (android.graphics.Color)	4293195057 (0xFFE4F531)
YUV	217.5730, -83.1065, 9.1445
Hunter-Lab	90.5652, -29.9820, 53.3841

Details

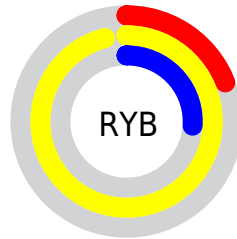
The Yxy color **82.0205, 0.4012, 0.5047** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **9.9404, 0.1694, 0.0849**, and the grayscale version is **70.3547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9723, 0.3930, 0.4618**, and **44.7200, 0.3999, 0.5207** is the 20% darker color. If you saturate the color by 10%, you get **81.5254, 0.4037, 0.5130**, and if you desaturate by 10%, it is **82.6397, 0.3961, 0.4919**.

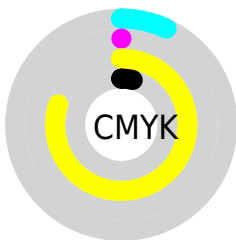
Distribution



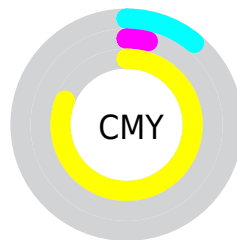
- Red (89%)
- Green (96%)
- Blue (19%)



- Red (19%)
- Yellow (96%)
- Blue (26%)



- Cyan (7%)
- Magenta (0%)
- Yellow (80%)
- Black (4%)





- Cyan (11%)
- Magenta (4%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0205, 0.4012, 0.5047 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 82.0205, 0.4012, 0.5047 by changing the saturation by 10% instead.


 82.0205, 0.4012,
0.5047


 82.0205, 0.4012,
0.5047


501.7163, 0.3696,
0.4282


 61.3824, 0.4053,
0.5195

 136.2027, 0.3926,
0.4801

 44.5339, 0.4088,
0.5362


 170.5157, 0.3886,
0.4699


 31.0904, 0.4107,
0.5547


 210.1558, 0.3848,
0.4609

 20.6677, 0.4101,
0.5755

 255.5073, 0.3813,
0.4528

 12.8813, 0.4035,
0.5965

 306.9548, 0.3780,
0.4457

 7.3469, 0.3856,
0.6144


364.8825, 0.3750,


 3.6800, 0.3581,


0.4393


0.6419


429.6748, 0.3722,
0.4335


 1.4962, 0.3072,
0.6928


 0.2861, 0.0000,
1.0000

 82.0205, 0.4012,
0.5047


 82.0205, 0.4012,
0.5047


 81.5254, 0.4037,
0.5130


 82.6397, 0.3961,
0.4919


 81.1173, 0.4039,
0.5175


 83.3875, 0.3884,
0.4748


 84.2812, 0.3784,
0.4540


 85.3325, 0.3666,
0.4305

 86.5519, 0.3536,
0.4053

 87.9489, 0.3400,
0.3795

 89.5325, 0.3262,
0.3538

 91.3109, 0.3128,
0.3291

 92.3265, 0.3082,
0.3193

Harmonies

Analogous

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



82.0205, 0.4758, 0.4465



82.0205, 0.4012, 0.5047



82.0205, 0.3095, 0.5102

Triad

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



82.0205, 0.4012, 0.5047



82.0205, 0.1480, 0.2325



82.0205, 0.3922, 0.2493

Complementary

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



82.0205, 0.4012, 0.5047



9.9404, 0.1694, 0.0849

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.



82.0205, 0.2885, 0.2054



82.0205, 0.4012, 0.5047



82.0205, 0.1618, 0.1918

Square

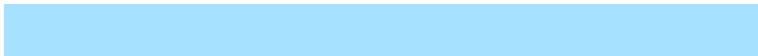
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0205, 0.4012, 0.5047



82.0205, 0.1671, 0.3164



82.0205, 0.2080, 0.1849



82.0205, 0.4802, 0.3091

Rectangle

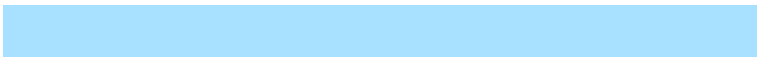
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.0205, 0.4012, 0.5047



82.0205, 0.2499, 0.4656



82.0205, 0.2080, 0.1849



82.0205, 0.3569, 0.2324

Sweetspot

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



82.0243, 0.4012, 0.5047



95.6731, 0.3455, 0.3899



23.4471, 0.5825, 0.3404



20.3623, 0.3504, 0.3991



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.



82.0243, 0.4012, 0.5047



88.9950, 0.4040, 0.5160



70.3264, 0.3345, 0.5534



19.2362, 0.3255, 0.3525



43.7274, 0.4042, 0.5173



3.8643, 0.4062, 0.5157

Inverse Universe

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



9.9404, 0.1694, 0.0849



7.7395, 0.1541, 0.0637



16.6035, 0.2386, 0.1210



15.9954, 0.2993, 0.3046



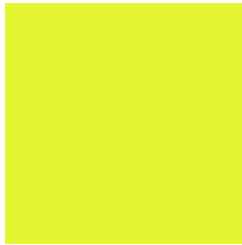
3.6630, 0.1528, 0.0615



0.3450, 0.1592, 0.0651

Previews

White Background



This preview shows how the Yxy color 82.0205, 0.4012, 0.5047 looks on a white background.

Color Contrast Check

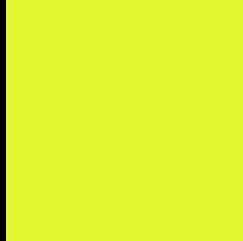
Large Text (above 18pt) WCAG AA × Fail

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 82.0205, 0.4012, 0.5047 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 82.0205, 0.4012, 0.5047

Background



This preview shows how black text looks on a background with the Yxy color 82.0205, 0.4012, 0.5047.

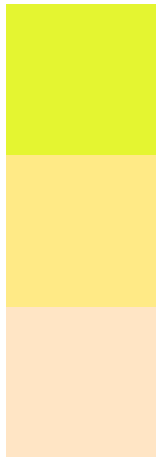


This preview shows how white text looks on a background with the Yxy color 82.0205, 0.4012, 0.5047.

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

82.0205, 0.4012, 0.5047

Protanopia

81.8269, 0.3921, 0.4280

Deuteranopia

81.3298, 0.3526, 0.3615



Tritanopia

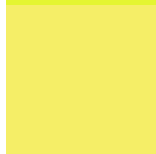
81.5531, 0.3129, 0.3110

Trichromacy



Original Color

82.0205, 0.4012, 0.5047



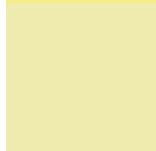
Protanomaly

81.5408, 0.3992, 0.4605



Deuteranomaly

80.8123, 0.3788, 0.4233



Tritanomaly

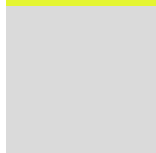
80.2524, 0.3551, 0.3922

Monochromacy



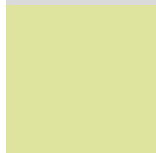
Original Color

82.0205, 0.4012, 0.5047



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.4507, 0.3551, 0.4078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0205, 0.4012, 0.5047 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(228, 245, 49)` looks like.

```
.text, #text, p{  
    color:rgb(228, 245, 49)  
}
```

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(228, 245, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 245, 49) }
```

Border

The CSS property to change the border of an element to Yxy 82.0205, 0.4012, 0.5047 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(228, 245, 49) }
```

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

```
.border{ border-color:rgb(228, 245, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 245, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 245, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 245, 49);  
box-shadow:4px 4px 4px 4px rgb(228, 245,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0205, 0.4012, 0.5047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 245, 49) }
```

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

```
.background{ background-color: rgb(228,  
245, 49) }
```

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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