

Converting Colors

Yxy(82.6400, 0.4028, 0.5184)

Have a look what the booklet for
Yxy(82.6400, 0.4028, 0.5184)
contains.

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Color

Yxy(82.3688, 0.4028, 0.5184)

Conversions

Conversions Part 1

Format	Color
Hex	E0F700
RGB	224, 247, 0
RGB Percent	88%, 97%, 0%
CMY	0.1216, 0.0313, 1.0000
CMYK	0.09, 0.00, 1.00, 0.03
HSL	66°, 100%, 48%
HSV	66°, 100%, 97%
XYZ	64.0011, 82.3688, 12.5206
YIQ	211.9650, 65.5790, -81.6930

Conversions

Conversions Part 2

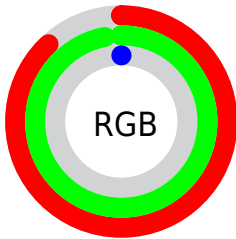
Format	Color
RYB	0, 247, 23
Decimal	14743296
CIELab	92.74, -30.45, 90.22
CIELCh	93, 95.221, 108.648
Yxy	82.3688, 0.4028, 0.5184
Android (android.graphics.Color)	4292933376 (0xFFE0F700)
YUV	211.9650, -104.4987, 10.5547
Hunter-Lab	90.7573, -32.9489, 55.3506

Details

The Yxy color **82.3688, 0.4028, 0.5184** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **6.8980, 0.1524, 0.0613**, and the grayscale version is **66.4924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5882, 0.4009, 0.4748**, and **45.1541, 0.3946, 0.5249** is the 20% darker color. If you saturate the color by 10%, you get **82.3729, 0.4028, 0.5184**, and if you desaturate by 10%, it is **82.8119, 0.4026, 0.5138**.

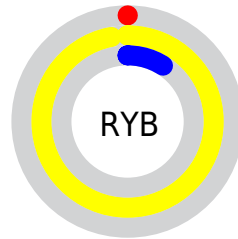
Distribution



Red (88%)

Green (97%)

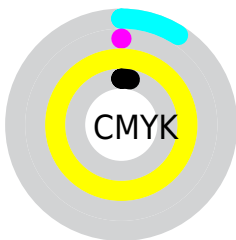
Blue (0%)



Red (0%)

Yellow (97%)

Blue (9%)

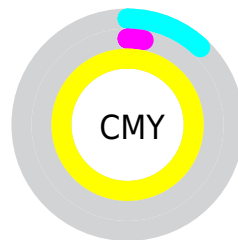


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (12%)


Magenta (3%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3688, 0.4028, 0.5184 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 82.3688, 0.4028, 0.5184 by changing the saturation by 10% instead.


 82.3688, 0.4028,
0.5184


 82.3688, 0.4028,
0.5184


502.8805, 0.3727,
0.4371

 61.6696, 0.4060,
0.5337


 136.6911, 0.3953,
0.4926

 44.7658, 0.4080,
0.5506


 171.0829, 0.3915,
0.4818


 31.2730, 0.4078,
0.5688

 210.8077, 0.3878,
0.4722

 20.8068, 0.4065,
0.5921

 256.2499, 0.3844,
0.4636

 12.9828, 0.3929,
0.6071

 307.7939, 0.3811,
0.4559

 7.4167, 0.3727,
0.6273


 365.8241, 0.3781,


 3.7241, 0.3419,

0.4490

0.6581


430.7248, 0.3753,
0.4427


 1.5204, 0.2819,
0.7181


 0.3030, 0.0000,
1.0000


 82.3688, 0.4028,
0.5184


 82.3688, 0.4028,
0.5184

 82.3729, 0.4028,
0.5184

 82.8119, 0.4026,
0.5138

 83.3432, 0.4003,
0.5054

 83.9939, 0.3953,
0.4924

 84.7803, 0.3877,
0.4751

■ 85.7161, 0.3778,
0.4542

■ 86.8132, 0.3662,
0.4306

■ 88.0824, 0.3533,
0.4054

■ 89.5334, 0.3398,
0.3795

■ 91.1752, 0.3261,
0.3538

Harmonies

Analogous

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



82.3688, 0.4844, 0.4531



82.3688, 0.4028, 0.5184



82.3688, 0.3048, 0.5269

Triad

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



82.3688, 0.4028, 0.5184



82.3688, 0.1375, 0.2229



82.3688, 0.4009, 0.2446

Complementary

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



82.3688, 0.4028, 0.5184



6.8980, 0.1524, 0.0613

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.



82.3688, 0.2882, 0.1981



82.3688, 0.4028, 0.5184



82.3688, 0.1529, 0.1818

Square

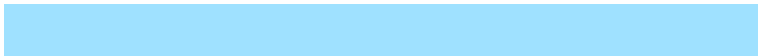
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3688, 0.4028, 0.5184



82.3688, 0.1559, 0.3115



82.3688, 0.2019, 0.1759



82.3688, 0.4957, 0.3075

Rectangle

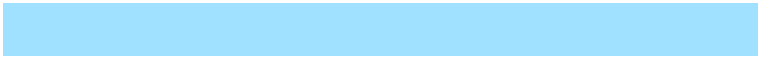
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3688, 0.4028, 0.5184



82.3688, 0.2417, 0.4771



82.3688, 0.2019, 0.1759



82.3688, 0.3625, 0.2268

Sweetspot

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



82.3729, 0.4028, 0.5184



94.6882, 0.3534, 0.4055



20.2964, 0.6352, 0.3338



20.1389, 0.3589, 0.4163



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.



82.3729, 0.4028, 0.5184



88.5507, 0.4028, 0.5184



69.4041, 0.3248, 0.5803



19.2305, 0.3254, 0.3525



43.5954, 0.4031, 0.5182



3.8541, 0.4052, 0.5164

Inverse Universe

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



6.8980, 0.1524, 0.0613



7.4111, 0.1524, 0.0613



12.6529, 0.2179, 0.0974



16.0005, 0.2994, 0.3046



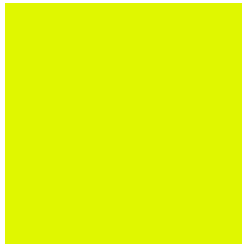
3.6739, 0.1531, 0.0617



0.3474, 0.1599, 0.0654

Previews

White Background



This preview shows how the Yxy color 82.3688, 0.4028, 0.5184 looks on a white background.

Color Contrast Check

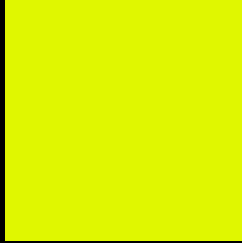
Large Text (above 18pt) WCAG AA × Fail

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 82.3688, 0.4028, 0.5184 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 82.3688, 0.4028, 0.5184

Background



This preview shows how black text looks on a background with the Yxy color 82.3688, 0.4028, 0.5184.



This preview shows how white text looks on a background with the Yxy color 82.3688, 0.4028, 0.5184.

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

82.3688, 0.4028, 0.5184

Protanopia

81.8832, 0.3909, 0.4262

Deuteranopia

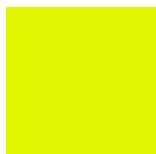
81.8848, 0.3524, 0.3624



Tritanopia

82.2482, 0.3095, 0.3110

Trichromacy



Original Color

82.3688, 0.4028, 0.5184



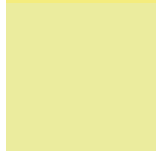
Protanomaly

81.6542, 0.4049, 0.4730



Deuteranomaly

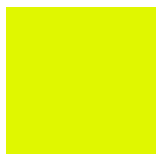
80.7047, 0.3881, 0.4411



Tritanomaly

80.1217, 0.3618, 0.4116

Monochromacy



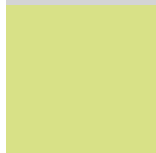
Original Color

82.3688, 0.4028, 0.5184



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.1986, 0.3654, 0.4303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3688, 0.4028, 0.5184 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(224, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 247, 0)  
}
```

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(224, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 247, 0) }
```

Border

The CSS property to change the border of an element to Yxy 82.3688, 0.4028, 0.5184 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(224, 247, 0) }
```

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

```
.border{ border-color:rgb(224, 247, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 247, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 247,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3688, 0.4028, 0.5184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 247, 0) }
```

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

```
.background{ background-color: rgb(224,  
247, 0) }
```

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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