

Converting Colors

$Yxy(82.4556, 0.3728, 0.4468)$

Have a look what the booklet for
Yxy(82.4556, 0.3728, 0.4468)
contains.

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Color

Yxy(82.7018, 0.3728, 0.4466)

Conversions

Conversions Part 1

Format	Color
Hex	E7F382
RGB	231, 243, 130
RGB Percent	91%, 95%, 51%
CMY	0.0941, 0.0470, 0.4902
CMYK	0.05, 0.00, 0.47, 0.05
HSL	66°, 82%, 73%
HSV	66°, 47%, 95%
XYZ	69.0354, 82.7018, 33.4437
YIQ	226.5300, 29.1210, -37.6870

Conversions

Conversions Part 2

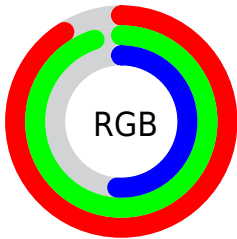
Format	Color
R_{YB}	130, 243, 142
Decimal	15201154
CIE _{Lab}	92.88, -19.88, 52.79
CIE _{LCh}	93, 56.406, 110.633
Yxy	82.7018, 0.3728, 0.4466
Android (android.graphics.Color)	4293391234 (0xFFE7F382)
YUV	226.5300, -47.5893, 3.9202
Hunter-Lab	90.9405, -23.6417, 41.8543

Details

The Yxy color **82.7018, 0.3728, 0.4466** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **28.1889, 0.2325, 0.1856**, and the grayscale version is **76.7954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **45.0751, 0.3831, 0.4723** is the 20% darker color. If you saturate the color by 10%, you get **81.7018, 0.3831, 0.4688**, and if you desaturate by 10%, it is **83.8697, 0.3609, 0.4221**.

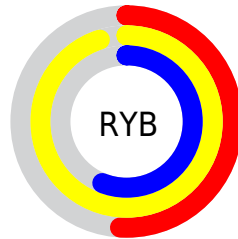
Distribution



Red (91%)

Green (95%)

Blue (51%)



Red (51%)

Yellow (95%)

Blue (56%)

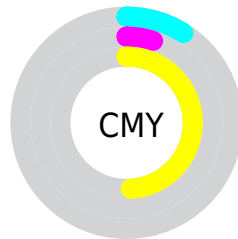


Cyan (5%)

Magenta (0%)

Yellow (47%)

Black (5%)



Cyan (9%)


Magenta (5%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.7018, 0.3728, 0.4466 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 82.7018, 0.3728, 0.4466 by changing the saturation by 10% instead.


 82.7018, 0.3728,
0.4466


 82.7018, 0.3728,
0.4466

503.9922, 0.3480,
0.3929

 61.9442, 0.3775,
0.4583


 137.1577, 0.3650,
0.4283

 44.9876, 0.3827,
0.4724


 171.6248, 0.3617,
0.4211

 31.4477, 0.3884,
0.4895


 211.4305, 0.3588,
0.4148

 20.9400, 0.3942,
0.5105

256.9593, 0.3562,
0.4093

 13.0801, 0.3991,
0.5363

308.5954, 0.3538,
0.4045

 7.4837, 0.4052,
0.5739

366.7233, 0.3517,

 3.7664, 0.3942,

0.4002

0.6058

431.7274, 0.3498,
0.3963

■ 1.5438, 0.3606,
0.6394

■ 0.3192, 0.0000,
1.0000

■ 82.7018, 0.3728,
0.4466

■ 82.7018, 0.3728,
0.4466

■ 81.7018, 0.3831,
0.4688

■ 83.8697, 0.3609,
0.4221

■ 80.8475, 0.3913,
0.4877

■ 85.2042, 0.3480,
0.3964


■ 80.1300, 0.3970,
0.5025

■ 86.7183, 0.3346,
0.3704

■ 79.5347, 0.4001,
0.5128

■ 88.4203, 0.3212,
0.3450


 79.0433, 0.4006,
0.5188

 90.3182, 0.3082,
0.3206

 78.8858, 0.4005,
0.5202

 91.0059, 0.3078,
0.3173

 91.4772, 0.3095,
0.3174

 91.9550, 0.3111,
0.3174

 92.4393, 0.3128,
0.3175

Harmonies

Analogous

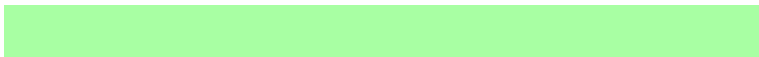
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7018, 0.4221, 0.4190



82.7018, 0.3728, 0.4466



82.7018, 0.3102, 0.4373

Triad

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



82.7018, 0.3728, 0.4466



82.7018, 0.1979, 0.2641



82.7018, 0.3709, 0.2788

Complementary

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



82.7018, 0.3728, 0.4466



28.1889, 0.2325, 0.1856

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.



82.7018, 0.3042, 0.2452



82.7018, 0.3728, 0.4466



82.7018, 0.2099, 0.2343

Square

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



82.7018, 0.3728, 0.4466



82.7018, 0.2118, 0.3188



82.7018, 0.2465, 0.2290



82.7018, 0.4239, 0.3239

Rectangle

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



82.7018, 0.3728, 0.4466



82.7018, 0.2696, 0.4070



82.7018, 0.2465, 0.2290



82.7018, 0.3489, 0.2660

Sweetspot

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



82.7056, 0.3728, 0.4466



97.1982, 0.3313, 0.3641



39.8069, 0.4340, 0.3417



20.7201, 0.3342, 0.3697



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.



82.7056, 0.3728, 0.4466



91.1901, 0.3828, 0.4681



74.8539, 0.3334, 0.4638



19.2189, 0.3252, 0.3525



43.3288, 0.4008, 0.5200



3.8333, 0.4032, 0.5180

Inverse Universe

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



28.1889, 0.2325, 0.1856



23.3929, 0.2129, 0.1524



34.4168, 0.2776, 0.2016



16.0109, 0.2996, 0.3046



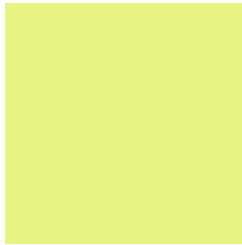
3.6979, 0.1537, 0.0620



0.3523, 0.1612, 0.0662

Previews

White Background



This preview shows how the Yxy color 82.7018, 0.3728, 0.4466 looks on a white background.

Color Contrast Check

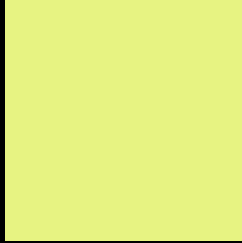
Large Text (above 18pt) WCAG AA × Fail

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 82.7018, 0.3728, 0.4466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

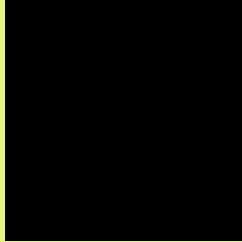
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.7018, 0.3728, 0.4466

Background



This preview shows how black text looks on a background with the Yxy color 82.7018, 0.3728, 0.4466.



This preview shows how white text looks on a background with the Yxy color 82.7018, 0.3728, 0.4466.

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

82.7018, 0.3728, 0.4466

Protanopia

82.1810, 0.3849, 0.4170

Deuteranopia

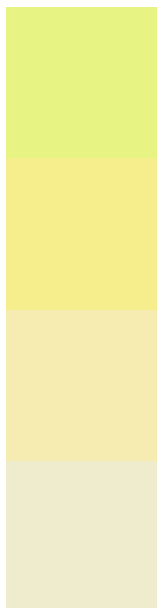
82.2133, 0.3476, 0.3553



Tritanopia

82.6040, 0.3109, 0.3111

Trichromacy



Original Color

82.7018, 0.3728, 0.4466

Protanomaly

82.0547, 0.3806, 0.4276

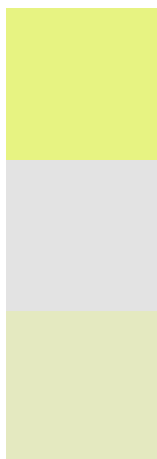
Deuteranomaly

82.1838, 0.3580, 0.3889

Tritanomaly

82.1752, 0.3346, 0.3603

Monochromacy



Original Color

82.7018, 0.3728, 0.4466

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.5776, 0.3356, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7018, 0.3728, 0.4466 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(231, 243, 130)` looks like.

```
.text, #text, p{  
    color:rgb(231, 243, 130)  
}
```

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(231, 243, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 243, 130) }
```

Border

The CSS property to change the border of an element to Yxy 82.7018, 0.3728, 0.4466 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(231, 243, 130) }
```

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

```
.border{ border-color:rgb(231, 243, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 243, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 243, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 243, 130);  
box-shadow:4px 4px 4px 4px rgb(231, 243,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7018, 0.3728, 0.4466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 243, 130) }
```

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

```
.background{ background-color: rgb(231,  
243, 130) }
```

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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