

Converting Colors

$Y_{xy}(72.7844, 0.3950, 0.4720)$

Have a look what the booklet for
Yxy(72.7844, 0.3950, 0.4720)
contains.

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Color

Yxy(72.7844, 0.3950, 0.4720)

Conversions

Conversions Part 1

Format	Color
Hex	E1E55A
RGB	225, 229, 90
RGB Percent	88%, 90%, 35%
CMY	0.1177, 0.1019, 0.6471
CMYK	0.02, 0.00, 0.61, 0.10
HSL	62°, 73%, 63%
HSV	62°, 61%, 90%
XYZ	60.9107, 72.7844, 20.5092
YIQ	211.9580, 42.2350, -44.0770

Conversions

Conversions Part 2

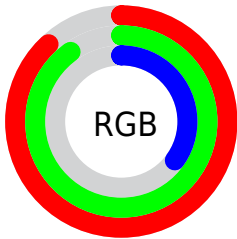
Format	Color
R _Y B	90, 229, 94
Decimal	14804314
CIE Lab	88.34, -18.68, 65.26
CIE LCh	88, 67.881, 105.977
Yxy	72.7844, 0.3950, 0.4720
Android (android.graphics.Color)	4292994394 (0xFFE1E55A)
YUV	211.9580, -60.1253, 11.4378
Hunter-Lab	85.3138, -21.8571, 45.4665

Details

The Yxy color **72.7844, 0.3950, 0.4720** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **15.3506, 0.1972, 0.1350**, and the grayscale version is **66.1947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8243, 0.3772, 0.4356**, and **38.5813, 0.4070, 0.5016** is the 20% darker color. If you saturate the color by 10%, you get **72.3494, 0.4036, 0.4877**, and if you desaturate by 10%, it is **73.3466, 0.3841, 0.4526**.

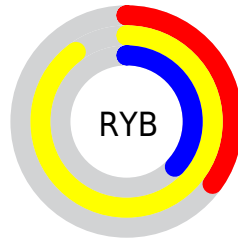
Distribution



Red (88%)

Green (90%)

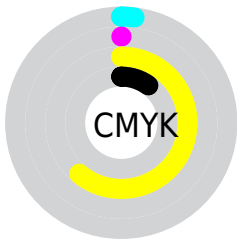
Blue (35%)



Red (35%)

Yellow (90%)

Blue (37%)

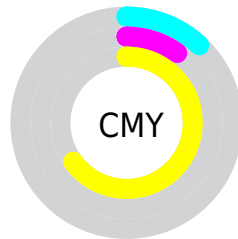


Cyan (2%)

Magenta (0%)

Yellow (61%)

Black (10%)



Cyan (12%)


Magenta (10%)


Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7844, 0.3950, 0.4720 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 72.7844, 0.3950, 0.4720 by changing the saturation by 10% instead.


 72.7844, 0.3950,
0.4720

 72.7844, 0.3950,
0.4720


470.2672, 0.3616,
0.4070


 53.7997, 0.4008,
0.4856


 123.1711, 0.3847,
0.4503

 38.4415, 0.4069,
0.5016

 155.3419, 0.3803,
0.4415

 26.3256, 0.4129,
0.5202


 192.6768, 0.3764,
0.4339

 17.0674, 0.4174,
0.5414

 235.5602, 0.3728,
0.4272

 10.2825, 0.4241,
0.5726

284.3766, 0.3696,
0.4213

 5.5867, 0.4111,
0.5889


339.5103, 0.3666,


 2.5954, 0.3880,

0.4160


401.3457, 0.3640,
0.4113

0.6120

 0.9244, 0.3134,
0.6866


 0.0000, 0.0000,
0.0000

 72.7844, 0.3950,
0.4720

 72.7844, 0.3950,
0.4720


 72.3494, 0.4036,
0.4877


 73.3466, 0.3841,
0.4526

 72.0201, 0.4096,
0.4990

 74.0360, 0.3714,
0.4302


 71.7862, 0.4130,
0.5060


 74.8648, 0.3575,
0.4059


 71.6330, 0.4142,
0.5093

 75.8412, 0.3429,
0.3807

 76.9728, 0.3281,
0.3554

 78.2665, 0.3137,
0.3307

 79.7289, 0.2999,
0.3072

 80.1377, 0.2975,
0.3026

 80.2481, 0.2980,
0.3026

Harmonies

Analogous

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



72.7844, 0.4532, 0.4281



72.7844, 0.3950, 0.4720



72.7844, 0.3190, 0.4738

Triad

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



72.7844, 0.3950, 0.4720



72.7844, 0.1739, 0.2552



72.7844, 0.3722, 0.2599

Complementary

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



72.7844, 0.3950, 0.4720



15.3506, 0.1972, 0.1350

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.



72.7844, 0.2887, 0.2230



72.7844, 0.3950, 0.4720



72.7844, 0.1837, 0.2162

Square

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



72.7844, 0.3950, 0.4720



72.7844, 0.1942, 0.3270



72.7844, 0.2224, 0.2071



72.7844, 0.4445, 0.3115

Rectangle

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



72.7844, 0.3950, 0.4720



72.7844, 0.2684, 0.4407



72.7844, 0.2224, 0.2071



72.7844, 0.3439, 0.2456

Sweetspot

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



72.7878, 0.3950, 0.4720



97.1366, 0.3390, 0.3741



25.1066, 0.5026, 0.3319



20.7056, 0.3433, 0.3815



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.



72.7878, 0.3950, 0.4720



92.1973, 0.4055, 0.4912



63.9708, 0.3436, 0.5018



16.7948, 0.3263, 0.3522



40.9607, 0.4143, 0.5092



3.0336, 0.4151, 0.5086

Inverse Universe

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



15.3506, 0.1972, 0.1350



12.9238, 0.1746, 0.0980



20.6319, 0.2519, 0.1591



13.9070, 0.2985, 0.3047



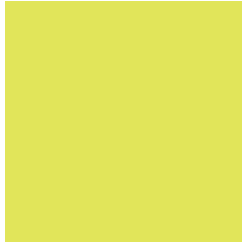
3.2679, 0.1509, 0.0605



0.2486, 0.1536, 0.0620

Previews

White Background



This preview shows how the Yxy color 72.7844, 0.3950, 0.4720 looks on a white background.

Color Contrast Check

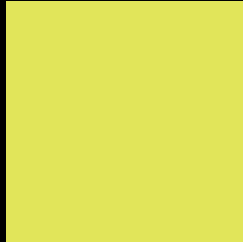
Large Text (above 18pt) WCAG AA × Fail

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 72.7844, 0.3950, 0.4720 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 72.7844, 0.3950, 0.4720

Background



This preview shows how black text looks on a background with the Yxy color 72.7844, 0.3950, 0.4720.



This preview shows how white text looks on a background with the Yxy color 72.7844, 0.3950, 0.4720.

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

72.7844, 0.3950, 0.4720

Protanopia

72.7213, 0.4173, 0.4581

Deuteranopia

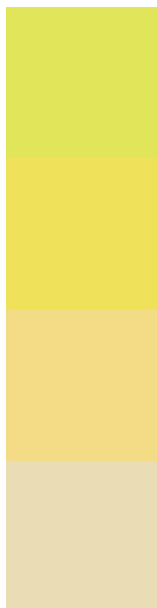
72.4341, 0.3822, 0.3846



Tritanopia

72.7778, 0.3186, 0.3114

Trichromacy



Original Color

72.7844, 0.3950, 0.4720

Protanomaly

72.9224, 0.4087, 0.4633

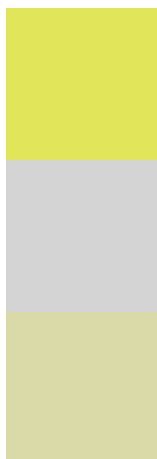
Deuteranomaly

72.1688, 0.3894, 0.4178

Tritanomaly

71.9741, 0.3507, 0.3725

Monochromacy



Original Color

72.7844, 0.3950, 0.4720

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.7217, 0.3464, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7844, 0.3950, 0.4720 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(225, 229, 90)` looks like.

```
.text, #text, p{  
    color:rgb(225, 229, 90)  
}
```

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(225, 229, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 229, 90) }
```

Border

The CSS property to change the border of an element to Yxy 72.7844, 0.3950, 0.4720 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(225, 229, 90) }
```

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

```
.border{ border-color:rgb(225, 229, 90) }
```

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

Here you see how a box with a 4 pixel rgb(225, 229, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 229, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 229, 90);  
box-shadow:4px 4px 4px 4px rgb(225, 229,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7844, 0.3950, 0.4720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 229, 90) }
```

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

```
.background{ background-color: rgb(225,  
229, 90) }
```

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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