

Converting Colors

$Y_{xy}(78.3221, 0.3720, 0.4441)$

Have a look what the booklet for
Yxy(78.3221, 0.3720, 0.4441)
contains.

Yxy(78.3221, 0.3720, 0.4441)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.3221, 0.3720, 0.4441)

Conversions

Conversions Part 1

Format	Color
Hex	E2ED81
RGB	226, 237, 129
RGB Percent	89%, 93%, 51%
CMY	0.1138, 0.0705, 0.4941
CMYK	0.05, 0.00, 0.46, 0.07
HSL	66°, 75%, 72%
HSV	66°, 46%, 93%
XYZ	65.6064, 78.3221, 32.4329
YIQ	221.3990, 28.1120, -35.9200

Conversions

Conversions Part 2

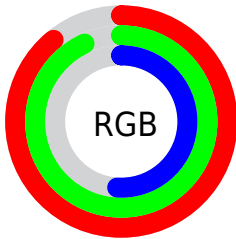
Format	Color
R_{YB}	129, 237, 140
Decimal	14871937
CIE _{Lab}	90.93, -19.01, 50.79
CIE _{LCh}	91, 54.228, 110.520
Yxy	78.3221, 0.3720, 0.4441
Android (android.graphics.Color)	4293062017 (0xFFE2ED81)
YUV	221.3990, -45.5527, 4.0351
Hunter-Lab	88.4998, -22.5494, 40.2216

Details

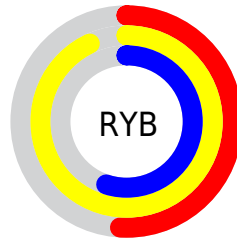
The Yxy color **78.3221, 0.3720, 0.4441** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.3991, 0.2342, 0.1890**, and the grayscale version is **72.9139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **42.0046, 0.3827, 0.4702** is the 20% darker color. If you saturate the color by 10%, you get **77.3780, 0.3826, 0.4665**, and if you desaturate by 10%, it is **79.4250, 0.3599, 0.4195**.

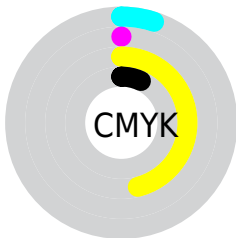
Distribution



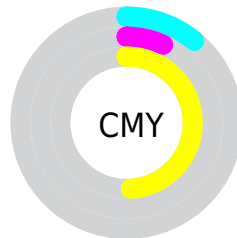
- Red (89%)
- Green (93%)
- Blue (51%)



- Red (51%)
- Yellow (93%)
- Blue (55%)



- Cyan (5%)
- Magenta (0%)
- Yellow (46%)
- Black (7%)





- Cyan (11%)
- Magenta (7%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3221, 0.3720, 0.4441 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 78.3221, 0.3720, 0.4441 by changing the saturation by 10% instead.


 78.3221, 0.3720,
0.4441


 78.3221, 0.3720,
0.4441


489.2600, 0.3472,
0.3910


 58.3386, 0.3768,
0.4558


 131.0041, 0.3641,
0.4259

 42.0809, 0.3821,
0.4700


 164.4714, 0.3608,
0.4188

 29.1647, 0.3880,
0.4873


 203.2020, 0.3579,
0.4126

 19.2054, 0.3941,
0.5087

247.5805, 0.3553,
0.4071

 11.8188, 0.3994,
0.5352

297.9911, 0.3529,
0.4024

 6.6204, 0.4077,
0.5768


354.8183, 0.3508,


 3.2259, 0.3936,


0.3981


0.6064


418.4465, 0.3489,
0.3944

 1.2508, 0.3541,
0.6459


 0.1026, 0.0000,
1.0000


 78.3221, 0.3720,
0.4441


 78.3221, 0.3720,
0.4441


 77.3780, 0.3826,
0.4665

 79.4250, 0.3599,
0.4195

 76.5718, 0.3911,
0.4857

 80.6853, 0.3469,
0.3938


 75.8955, 0.3971,
0.5008


 82.1151, 0.3334,
0.3679


 75.3354, 0.4005,
0.5115

 83.7223, 0.3200,
0.3426


 74.8750, 0.4014,
0.5178

 85.5143, 0.3070,
0.3184

 74.6911, 0.4012,
0.5196

 86.4089, 0.3041,
0.3112

 86.8367, 0.3057,
0.3113

 87.2701, 0.3072,
0.3113

 87.7093, 0.3088,
0.3114

Harmonies

Analogous

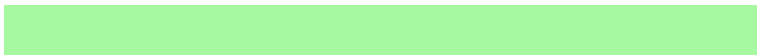
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3221, 0.4202, 0.4173



78.3221, 0.3720, 0.4441



78.3221, 0.3107, 0.4349

Triad

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



78.3221, 0.3720, 0.4441



78.3221, 0.2000, 0.2657



78.3221, 0.3695, 0.2796

Complementary

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



78.3221, 0.3720, 0.4441



27.3991, 0.2342, 0.1890

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.



78.3221, 0.3042, 0.2466



78.3221, 0.3720, 0.4441



78.3221, 0.2117, 0.2362

Square

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



78.3221, 0.3720, 0.4441



78.3221, 0.2139, 0.3194



78.3221, 0.2477, 0.2308



78.3221, 0.4214, 0.3240

Rectangle

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



78.3221, 0.3720, 0.4441



78.3221, 0.2708, 0.4054



78.3221, 0.2477, 0.2308



78.3221, 0.3480, 0.2670

Sweetspot

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



78.3257, 0.3720, 0.4441



97.2252, 0.3314, 0.3641



38.2939, 0.4301, 0.3414



20.7267, 0.3343, 0.3696



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.



78.3257, 0.3720, 0.4441



91.3953, 0.3822, 0.4658



70.9551, 0.3331, 0.4607



17.5443, 0.3252, 0.3524



40.8077, 0.4015, 0.5194



3.2270, 0.4041, 0.5173

Inverse Universe

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



27.3991, 0.2342, 0.1890



24.0977, 0.2145, 0.1556



33.2641, 0.2786, 0.2044



14.6225, 0.2996, 0.3047



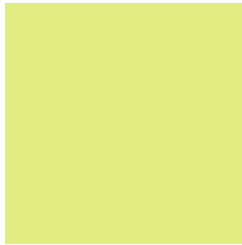
3.4717, 0.1536, 0.0620



0.2974, 0.1617, 0.0665

Previews

White Background



This preview shows how the Yxy color 78.3221, 0.3720, 0.4441 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 78.3221, 0.3720, 0.4441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

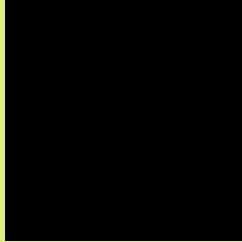
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.3221, 0.3720, 0.4441

Background



This preview shows how black text looks on a background with the Yxy color 78.3221, 0.3720, 0.4441.



This preview shows how white text looks on a background with the Yxy color 78.3221, 0.3720, 0.4441.

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

78.3221, 0.3720, 0.4441

Protanopia

78.2404, 0.3969, 0.4317

Deuteranopia

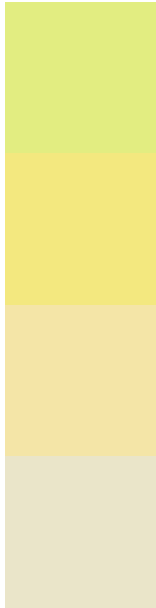
78.2021, 0.3600, 0.3658



Tritanopia

78.0728, 0.3115, 0.3107

Trichromacy



Original Color

78.3221, 0.3720, 0.4441

Protanomaly

78.3002, 0.3881, 0.4363

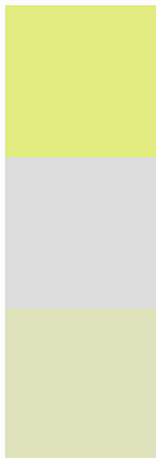
Deuteranomaly

78.0617, 0.3648, 0.3939

Tritanomaly

77.7481, 0.3346, 0.3588

Monochromacy



Original Color

78.3221, 0.3720, 0.4441

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

74.2570, 0.3355, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3221, 0.3720, 0.4441 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(226, 237, 129)` looks like.

```
.text, #text, p{  
    color:rgb(226, 237, 129)  
}
```

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(226, 237, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 237, 129) }
```

Border

The CSS property to change the border of an element to Yxy 78.3221, 0.3720, 0.4441 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(226, 237, 129) }
```

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

```
.border{ border-color:rgb(226, 237, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 237, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 237, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 237, 129); box-shadow:4px 4px 4px 4px rgb(226, 237, 129) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3221, 0.3720, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 237, 129) }
```

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

```
.background{ background-color: rgb(226,  
237, 129) }
```

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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