

Converting Colors

$Yxy(77.9816, 0.3744, 0.4510)$

Have a look what the booklet for
Yxy(77.9816, 0.3744, 0.4510)
contains.

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Color

Yxy(77.8208, 0.3744, 0.4514)

Conversions

Conversions Part 1

Format	Color
Hex	E0ED7A
RGB	224, 237, 122
RGB Percent	88%, 93%, 48%
CMY	0.1214, 0.0706, 0.5215
CMYK	0.05, 0.00, 0.49, 0.07
HSL	67°, 76%, 70%
HSV	67°, 49%, 93%
XYZ	64.5461, 77.8208, 30.0319
YIQ	220.0030, 29.1670, -38.5210

Conversions

Conversions Part 2

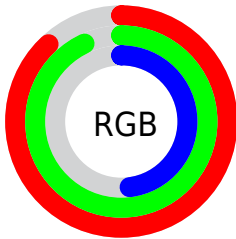
Format	Color
RYB	122, 237, 135
Decimal	14740858
CIELab	90.70, -20.42, 53.77
CIELCh	91, 57.520, 110.791
Yxy	77.8208, 0.3744, 0.4514
Android (android.graphics.Color)	4292930938 (0xFFE0ED7A)
YUV	220.0030, -48.3155, 3.5054
Hunter-Lab	88.2161, -23.7730, 41.5669

Details

The Yxy color **77.8208, 0.3744, 0.4514** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **25.1823, 0.2291, 0.1790**, and the grayscale version is **71.9067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9543, 0.3591, 0.4057**, and **41.6929, 0.3848, 0.4785** is the 20% darker color. If you saturate the color by 10%, you get **76.8832, 0.3842, 0.4731**, and if you desaturate by 10%, it is **78.9154, 0.3629, 0.4272**.

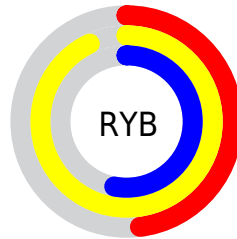
Distribution



Red (88%)

Green (93%)

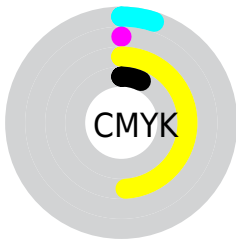
Blue (48%)



Red (48%)

Yellow (93%)

Blue (53%)

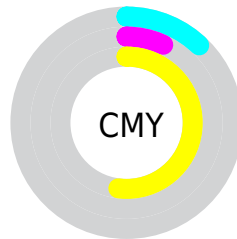


Cyan (5%)

Magenta (0%)

Yellow (49%)

Black (7%)



Cyan (12%)


Magenta (7%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8208, 0.3744, 0.4514 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 77.8208, 0.3744, 0.4514 by changing the saturation by 10% instead.


 77.8208, 0.3744,
0.4514


 77.8208, 0.3744,
0.4514

487.5580, 0.3489,
0.3949

 57.9268, 0.3792,
0.4638


 130.2975, 0.3663,
0.4321

 41.7498, 0.3844,
0.4787


 163.6489, 0.3630,
0.4245

 28.9054, 0.3901,
0.4969


 202.2550, 0.3600,
0.4179

 19.0093, 0.3956,
0.5191

246.5000, 0.3573,
0.4121

 11.6770, 0.3996,
0.5462

296.7684, 0.3548,
0.4071

 6.5241, 0.4081,
0.5919

353.4447, 0.3527,

 3.1663, 0.3857,

0.4026

0.6143

416.9131, 0.3507,
0.3985

■ 1.2192, 0.3397,
0.6603

■ 0.0773, 0.0000,
1.0000

■ 77.8208, 0.3744,
0.4514

■ 77.8208, 0.3744,
0.4514

■ 76.8832, 0.3842,
0.4731

■ 78.9154, 0.3629,
0.4272

■ 76.0813, 0.3918,
0.4914


■ 80.1660, 0.3503,
0.4016


■ 75.4067, 0.3969,
0.5055


■ 81.5848, 0.3371,
0.3756


■ 74.8450, 0.3993,
0.5151


■ 83.1800, 0.3238,
0.3500


 74.3756, 0.3994,
0.5205


 84.9590, 0.3108,
0.3254

 74.3098, 0.3993,
0.5211

 86.3220, 0.3038,
0.3111

 86.7931, 0.3055,
0.3112

 87.2710, 0.3073,
0.3113

 87.7559, 0.3090,
0.3114

Harmonies

Analogous

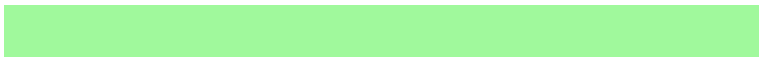
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8208, 0.4259, 0.4222



77.8208, 0.3744, 0.4514



77.8208, 0.3094, 0.4420

Triad

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



77.8208, 0.3744, 0.4514



77.8208, 0.1938, 0.2611



77.8208, 0.3735, 0.2771

Complementary

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



77.8208, 0.3744, 0.4514



25.1823, 0.2291, 0.1790

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.



77.8208, 0.3041, 0.2424



77.8208, 0.3744, 0.4514



77.8208, 0.2064, 0.2307

Square

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



77.8208, 0.3744, 0.4514



77.8208, 0.2079, 0.3177



77.8208, 0.2443, 0.2256



77.8208, 0.4287, 0.3237

Rectangle

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



77.8208, 0.3744, 0.4514



77.8208, 0.2674, 0.4102



77.8208, 0.2443, 0.2256



77.8208, 0.3506, 0.2639

Sweetspot

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



77.8243, 0.3744, 0.4514



96.9683, 0.3325, 0.3667



36.3224, 0.4417, 0.3421



20.6724, 0.3353, 0.3721



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.



77.8243, 0.3744, 0.4514



90.8184, 0.3840, 0.4726



70.2961, 0.3339, 0.4699



17.5358, 0.3250, 0.3524



40.6085, 0.3997, 0.5209



3.2133, 0.4026, 0.5186

Inverse Universe

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



25.1823, 0.2291, 0.1790



22.0241, 0.2095, 0.1460



31.1107, 0.2756, 0.1961



14.6302, 0.2997, 0.3048



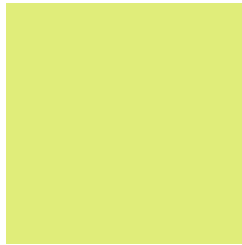
3.4912, 0.1541, 0.0622



0.3011, 0.1629, 0.0671

Previews

White Background



This preview shows how the Yxy color 77.8208, 0.3744, 0.4514 looks on a white background.

Color Contrast Check

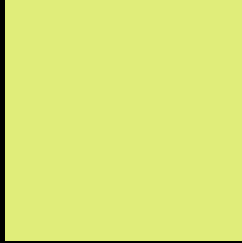
Large Text (above 18pt) WCAG AA × Fail

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 77.8208, 0.3744, 0.4514 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 77.8208, 0.3744, 0.4514

Background



This preview shows how black text looks on a background with the Yxy color 77.8208, 0.3744, 0.4514.



This preview shows how white text looks on a background with the Yxy color 77.8208, 0.3744, 0.4514.

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

77.8208, 0.3744, 0.4514

Protanopia

77.5142, 0.4015, 0.4370

Deuteranopia

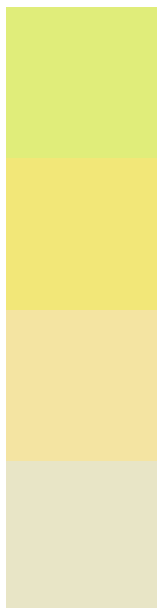
77.5381, 0.3624, 0.3679



Tritanopia

77.6667, 0.3108, 0.3116

Trichromacy



Original Color

77.8208, 0.3744, 0.4514

Protanomaly

77.3851, 0.3918, 0.4420

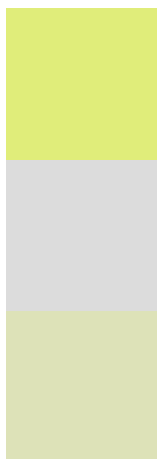
Deuteranomaly

77.3285, 0.3685, 0.3981

Tritanomaly

77.2716, 0.3351, 0.3622

Monochromacy



Original Color

77.8208, 0.3744, 0.4514

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

73.2256, 0.3369, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8208, 0.3744, 0.4514 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, 237, 122)` looks like.

```
.text, #text, p{  
    color:rgb(224, 237, 122)  
}
```

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, 237, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 237, 122) }
```

Border

The CSS property to change the border of an element to Yxy 77.8208, 0.3744, 0.4514 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, 237, 122) }
```

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

```
.border{ border-color:rgb(224, 237, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 237, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(224, 237, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(224, 237, 122); box-shadow:4px 4px 4px 4px rgb(224, 237, 122) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8208, 0.3744, 0.4514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 237, 122) }
```

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

```
.background{ background-color: rgb(224,  
237, 122) }
```

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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