

Converting Colors

$Yxy(77.6418, 0.3590, 0.3942)$

Have a look what the booklet for
Yxy(77.6418, 0.3590, 0.3942)
contains.

Yxy(77.6353, 0.3587, 0.3938)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.6353, 0.3587, 0.3938)

Conversions

Conversions Part 1

Format	Color
Hex	EEE6A9
RGB	238, 230, 169
RGB Percent	93%, 90%, 66%
CMY	0.0667, 0.0980, 0.3373
CMYK	0.00, 0.03, 0.29, 0.07
HSL	53°, 67%, 80%
HSV	53°, 29%, 93%
XYZ	70.7155, 77.6353, 48.7931
YIQ	225.4380, 24.3490, -17.2750

Conversions

Conversions Part 2

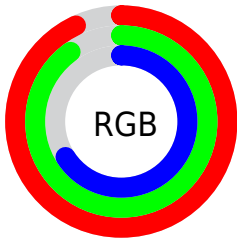
Format	Color
RYB	178, 238, 169
Decimal	15656617
CIELab	90.61, -6.47, 30.77
CIELCh	91, 31.441, 101.881
Yxy	77.6353, 0.3587, 0.3938
Android (android.graphics.Color)	4293846697 (0xFFEEE6A9)
YUV	225.4380, -27.8239, 11.0169
Hunter-Lab	88.1109, -10.9345, 28.8446

Details

The Yxy color **77.6353, 0.3587, 0.3938** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **46.0445, 0.2628, 0.2546**, and the grayscale version is **75.8189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **41.7447, 0.3684, 0.4097** is the 20% darker color. If you saturate the color by 10%, you get **75.3043, 0.3752, 0.4159**, and if you desaturate by 10%, it is **80.1602, 0.3423, 0.3711**.

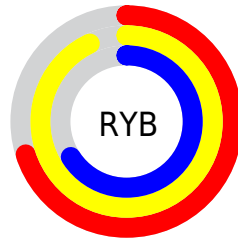
Distribution



Red (93%)

Green (90%)

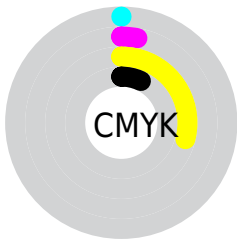
Blue (66%)



Red (70%)

Yellow (93%)

Blue (66%)

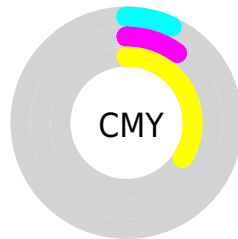


Cyan (0%)

Magenta (3%)

Yellow (29%)

Black (7%)



Cyan (7%)


Magenta (10%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6353, 0.3587, 0.3938 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 77.6353, 0.3587, 0.3938 by changing the saturation by 10% instead.

 77.6353, 0.3587,
0.3938

 77.6353, 0.3587,
0.3938

486.9274, 0.3381,
0.3640

 57.7744, 0.3632,
0.4005

 130.0359, 0.3517,
0.3835

 41.6273, 0.3686,
0.4087


 163.3444, 0.3490,
0.3795

 28.8096, 0.3752,
0.4189


201.9042, 0.3466,
0.3760

 18.9368, 0.3834,
0.4320

246.0998, 0.3444,
0.3730

 11.6246, 0.3938,
0.4491

296.3155, 0.3426,
0.3704

 6.4886, 0.4069,
0.4723

352.9358, 0.3409,

 3.1444, 0.4311,

0.3680

0.5143

416.3449, 0.3394,
0.3659

■ 1.2076, 0.4440,
0.5560

■ 0.0679, 0.0000,
1.0000

■ 77.6353, 0.3587,
0.3938

■ 77.6353, 0.3587,
0.3938

■ 75.3043, 0.3752,
0.4159

■ 80.1602, 0.3423,
0.3711

■ 73.1477, 0.3911,
0.4366

■ 82.8768, 0.3263,
0.3486

■ 71.1594, 0.4057,
0.4547

■ 85.7962, 0.3112,
0.3268

■ 69.3283, 0.4185,
0.4693

■ 88.3193, 0.3024,
0.3151

67.6421, 0.4288,
0.4798

89.9619, 0.3024,
0.3179

66.0861, 0.4363,
0.4857

91.6292, 0.3024,
0.3206

64.6384, 0.4412,
0.4875

93.3214, 0.3024,
0.3233

64.4951, 0.4416,
0.4876

95.0385, 0.3024,
0.3261

96.7807, 0.3023,
0.3288

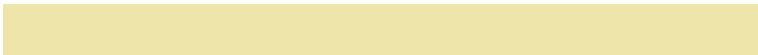
Harmonies

Analogous

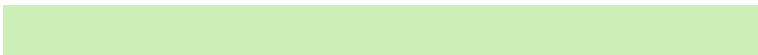
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6353, 0.3818, 0.3771



77.6353, 0.3587, 0.3938



77.6353, 0.3240, 0.3922

Triad

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



77.6353, 0.3587, 0.3938



77.6353, 0.2448, 0.3013



77.6353, 0.3357, 0.2924

Complementary

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



77.6353, 0.3587, 0.3938



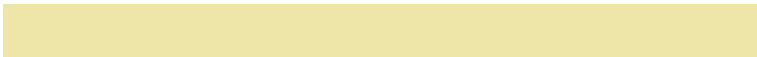
46.0445, 0.2628, 0.2546

Split Complementary

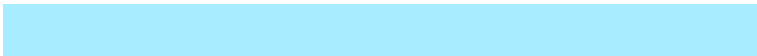
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6353, 0.2980, 0.2742



77.6353, 0.3587, 0.3938



77.6353, 0.2474, 0.2776

Square

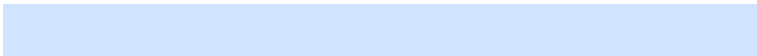
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6353, 0.3587, 0.3938



77.6353, 0.2591, 0.3356



77.6353, 0.2662, 0.2686



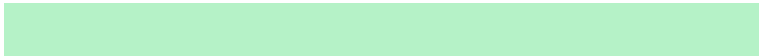
77.6353, 0.3686, 0.3193

Rectangle

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



77.6353, 0.3587, 0.3938



77.6353, 0.2993, 0.3795



77.6353, 0.2662, 0.2686



77.6353, 0.3231, 0.2851

Sweetspot

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



77.6388, 0.3587, 0.3938



96.9267, 0.3264, 0.3487



49.7278, 0.3695, 0.3202



20.6439, 0.3287, 0.3520



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.



77.6388, 0.3587, 0.3938



89.1122, 0.3688, 0.4075



77.9375, 0.3375, 0.4062



18.1285, 0.3271, 0.3497



36.1086, 0.4412, 0.4879



3.0916, 0.4379, 0.4905

Inverse Universe

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



46.0445, 0.2628, 0.2546



46.3802, 0.2506, 0.2359



46.2101, 0.2816, 0.2491



15.5231, 0.2980, 0.3074



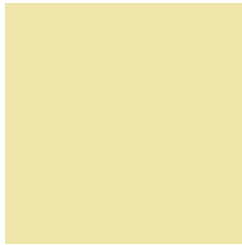
3.9891, 0.1524, 0.0684



0.4274, 0.1570, 0.0853

Previews

White Background



This preview shows how the Yxy color 77.6353, 0.3587, 0.3938 looks on a white background.

Color Contrast Check

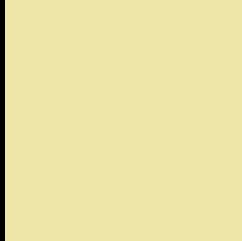
Large Text (above 18pt) WCAG AA × Fail

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 77.6353, 0.3587, 0.3938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

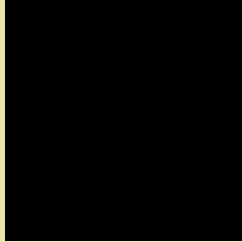
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

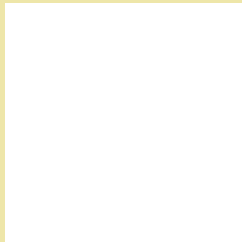
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6353, 0.3587, 0.3938

Background



This preview shows how black text looks on a background with the Yxy color 77.6353, 0.3587, 0.3938.



This preview shows how white text looks on a background with the Yxy color 77.6353, 0.3587, 0.3938.

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

77.6353, 0.3587, 0.3938

Protanopia

77.7264, 0.3652, 0.3917

Deuteranopia

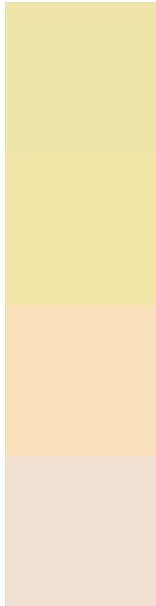
77.3976, 0.3563, 0.3576



Tritanopia

77.4788, 0.3192, 0.3119

Trichromacy



Original Color

77.6353, 0.3587, 0.3938

Protanomaly

77.7430, 0.3627, 0.3932

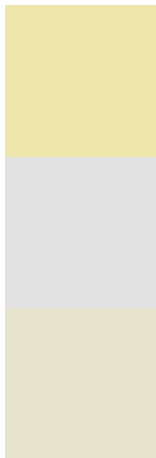
Deuteranomaly

77.4929, 0.3574, 0.3705

Tritanomaly

77.1701, 0.3337, 0.3405

Monochromacy



Original Color

77.6353, 0.3587, 0.3938

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.1689, 0.3293, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6353, 0.3587, 0.3938 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(238, 230, 169)` looks like.

```
.text, #text, p{  
    color:rgb(238, 230, 169)  
}
```

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(238, 230, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 230, 169) }
```

Border

The CSS property to change the border of an element to Yxy 77.6353, 0.3587, 0.3938 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(238, 230, 169) }
```

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

```
.border{ border-color:rgb(238, 230, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 230, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 230, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 230, 169);  
box-shadow:4px 4px 4px 4px rgb(238, 230,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6353, 0.3587, 0.3938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 230, 169) }
```

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

```
.background{ background-color: rgb(238,  
230, 169) }
```

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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