

Converting Colors

$Y_{xy}(78.2152, 0.3658, 0.4038)$

Have a look what the booklet for
Yxy(78.2152, 0.3658, 0.4038)
contains.

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Color

Yxy(78.2152, 0.3658, 0.4038)

Conversions

Conversions Part 1

Format	Color
Hex	F0E7A0
RGB	240, 231, 160
RGB Percent	94%, 91%, 63%
CMY	0.0589, 0.0941, 0.3725
CMYK	0.00, 0.04, 0.33, 0.06
HSL	53°, 73%, 78%
HSV	53°, 33%, 94%
XYZ	70.8547, 78.2152, 44.6280
YIQ	225.5970, 28.1550, -20.1730

Conversions

Conversions Part 2

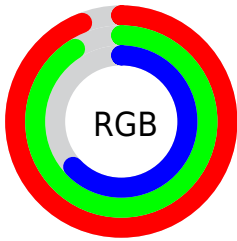
Format	Color
RYB	170, 240, 160
Decimal	15787936
CIELab	90.88, -7.32, 35.71
CIElCh	91, 36.451, 101.581
Yxy	78.2152, 0.3658, 0.4038
Android (android.graphics.Color)	4293978016 (0xFFFF0E7A0)
YUV	225.5970, -32.3393, 12.6314
Hunter-Lab	88.4394, -11.7606, 31.9888

Details

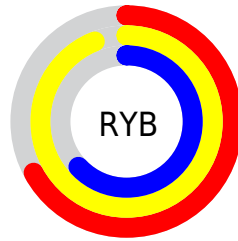
The Yxy color **78.2152, 0.3658, 0.4038** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **42.1419, 0.2541, 0.2411**, and the grayscale version is **75.9718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **42.2007, 0.3765, 0.4207** is the 20% darker color. If you saturate the color by 10%, you get **75.9610, 0.3820, 0.4255**, and if you desaturate by 10%, it is **80.6618, 0.3493, 0.3812**.

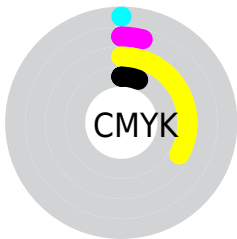
Distribution



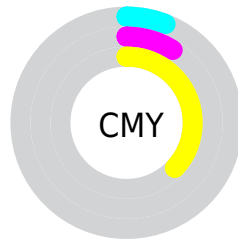
- Red (94%)
- Green (91%)
- Blue (63%)



- Red (67%)
- Yellow (94%)
- Blue (63%)



- Cyan (0%)
- Magenta (4%)
- Yellow (33%)
- Black (6%)





- Cyan (6%)
- Magenta (9%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2152, 0.3658, 0.4038 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 78.2152, 0.3658, 0.4038 by changing the saturation by 10% instead.


 78.2152, 0.3658,
0.4038


 78.2152, 0.3658,
0.4038


488.8974, 0.3422,
0.3695

 58.2508, 0.3709,
0.4114


 130.8534, 0.3579,
0.3920

 42.0103, 0.3769,
0.4207


 164.2960, 0.3547,
0.3874

 29.1093, 0.3842,
0.4322


203.0002, 0.3520,
0.3834

 19.1636, 0.3932,
0.4468

247.3502, 0.3495,
0.3799

 11.7885, 0.4041,
0.4656

297.7306, 0.3474,
0.3769

 6.5998, 0.4171,
0.4901

354.5256, 0.3455,

 3.2131, 0.4506,

0.3741

0.5460

418.1197, 0.3438,
0.3717

■ 1.2440, 0.4387,
0.5613

■ 0.0972, 0.0000,
1.0000

■ 78.2152, 0.3658,
0.4038

■ 78.2152, 0.3658,
0.4038

■ 75.9610, 0.3820,
0.4255

■ 80.6618, 0.3493,
0.3812

■ 73.8792, 0.3974,
0.4452

■ 83.2990, 0.3332,
0.3584

■ 71.9628, 0.4112,
0.4620

■ 86.1384, 0.3177,
0.3362

■ 70.2002, 0.4229,
0.4749

■ 89.1219, 0.3037,
0.3159

68.5779, 0.4319,
0.4834

90.7363, 0.3037,
0.3186

67.0795, 0.4380,
0.4874

92.3743, 0.3036,
0.3213

66.1314, 0.4409,
0.4881

94.0362, 0.3036,
0.3240

95.7220, 0.3036,
0.3266

97.2634, 0.3035,
0.3290

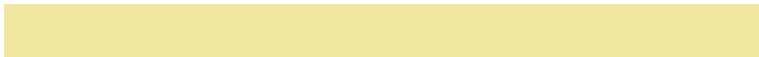
Harmonies

Analogous

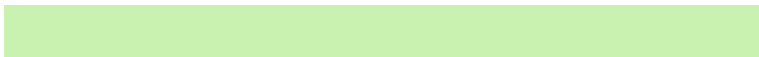
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2152, 0.3926, 0.3836



78.2152, 0.3658, 0.4038



78.2152, 0.3257, 0.4029

Triad

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



78.2152, 0.3658, 0.4038



78.2152, 0.2350, 0.2969



78.2152, 0.3387, 0.2868

Complementary

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



78.2152, 0.3658, 0.4038



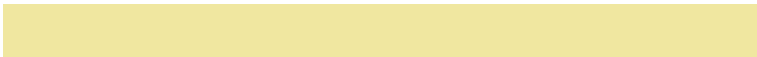
42.1419, 0.2541, 0.2411

Split Complementary

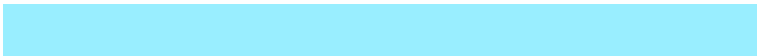
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2152, 0.2951, 0.2663



78.2152, 0.3658, 0.4038



78.2152, 0.2378, 0.2699

Square

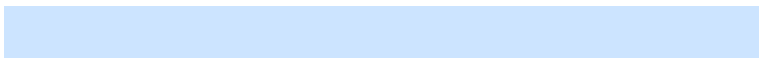
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2152, 0.3658, 0.4038



78.2152, 0.2512, 0.3367



78.2152, 0.2589, 0.2598



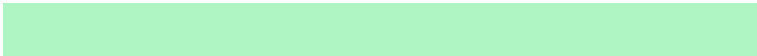
78.2152, 0.3771, 0.3171

Rectangle

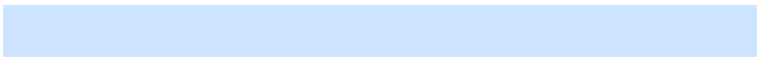
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2152, 0.3658, 0.4038



78.2152, 0.2973, 0.3884



78.2152, 0.2589, 0.2598



78.2152, 0.3240, 0.2786

Sweetspot

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



78.2188, 0.3658, 0.4038



96.6516, 0.3280, 0.3510



46.5493, 0.3815, 0.3188



20.5908, 0.3302, 0.3542



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

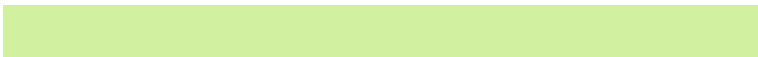
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2188, 0.3658, 0.4038



87.9881, 0.3769, 0.4187



78.4566, 0.3410, 0.4187



18.1381, 0.3271, 0.3498



36.3290, 0.4405, 0.4884



3.1078, 0.4374, 0.4909

Inverse Universe

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



42.1419, 0.2541, 0.2411



40.7062, 0.2403, 0.2196



42.4730, 0.2759, 0.2357



15.5144, 0.2980, 0.3073



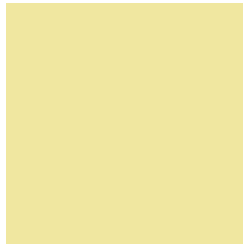
3.9663, 0.1523, 0.0681



0.4233, 0.1569, 0.0846

Previews

White Background



This preview shows how the Yxy color 78.2152, 0.3658, 0.4038 looks on a white background.

Color Contrast Check

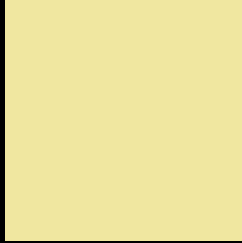
Large Text (above 18pt) WCAG AA × Fail

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 78.2152, 0.3658, 0.4038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

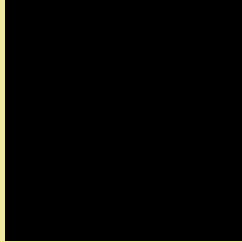
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

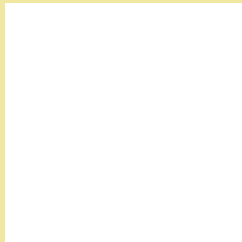
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2152, 0.3658, 0.4038

Background



This preview shows how black text looks on a background with the Yxy color 78.2152, 0.3658, 0.4038.



This preview shows how white text looks on a background with the Yxy color 78.2152, 0.3658, 0.4038.

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

78.2152, 0.3658, 0.4038

Protanopia

78.3160, 0.3724, 0.4015

Deuteranopia

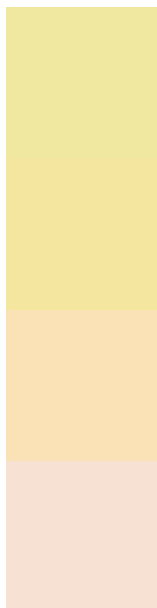
77.9304, 0.3560, 0.3586



Tritanopia

78.0257, 0.3213, 0.3120

Trichromacy



Original Color

78.2152, 0.3658, 0.4038

Protanomaly

78.3299, 0.3698, 0.4031

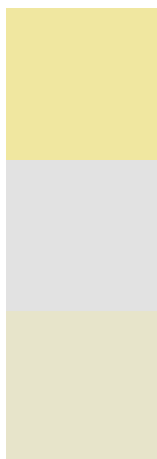
Deuteranomaly

78.0941, 0.3600, 0.3745

Tritanomaly

78.0964, 0.3378, 0.3445

Monochromacy



Original Color

78.2152, 0.3658, 0.4038

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.7400, 0.3319, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2152, 0.3658, 0.4038 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(240, 231, 160)` looks like.

```
.text, #text, p{  
    color:rgb(240, 231, 160)  
}
```

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(240, 231, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 231, 160) }
```

Border

The CSS property to change the border of an element to Yxy 78.2152, 0.3658, 0.4038 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(240, 231, 160) }
```

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

```
.border{ border-color:rgb(240, 231, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 231, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 231, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 231, 160);  
box-shadow:4px 4px 4px 4px rgb(240, 231,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2152, 0.3658, 0.4038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 231, 160) }
```

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

```
.background{ background-color: rgb(240,  
231, 160) }
```

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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