

Converting Colors

$Y_{xy}(77.9172, 0.3524, 0.3758)$

Have a look what the booklet for
Yxy(77.9172, 0.3524, 0.3758)
contains.

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Color

Yxy(77.8247, 0.3521, 0.3753)

Conversions

Conversions Part 1

Format	Color
Hex	F2E4B8
RGB	242, 228, 184
RGB Percent	95%, 89%, 72%
CMY	0.0510, 0.1059, 0.2784
CMYK	0.00, 0.06, 0.24, 0.05
HSL	46°, 69%, 84%
HSV	46°, 24%, 95%
XYZ	73.0138, 77.8247, 56.5281
YIQ	227.1700, 22.4680, -10.7160

Conversions

Conversions Part 2

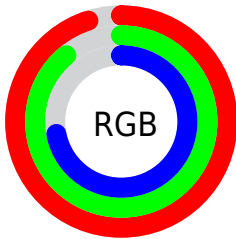
Format	Color
R_{YB}	202, 242, 184
Decimal	15918264
CIE _{Lab}	90.70, -1.99, 23.22
CIE _{LCh}	91, 23.308, 94.899
Yxy	77.8247, 0.3521, 0.3753
Android (android.graphics.Color)	4294108344 (0xFFFF2E4B8)
YUV	227.1700, -21.2828, 13.0059
Hunter-Lab	88.2183, -6.6467, 23.7612

Details

The Yxy color **77.8247, 0.3521, 0.3753** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.9951, 0.2731, 0.2780**, and the grayscale version is **77.0943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **41.8401, 0.3603, 0.3861** is the 20% darker color. If you saturate the color by 10%, you get **73.7390, 0.3703, 0.3951**, and if you desaturate by 10%, it is **82.1996, 0.3348, 0.3555**.

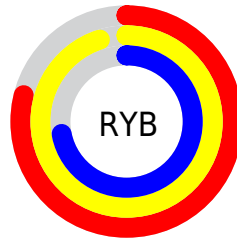
Distribution



Red (95%)

Green (89%)

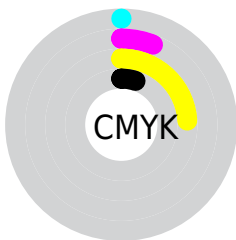
Blue (72%)



Red (79%)

Yellow (95%)

Blue (72%)

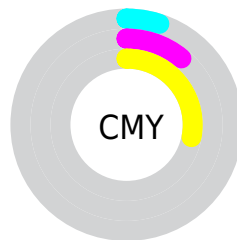


Cyan (0%)

Magenta (6%)

Yellow (24%)

Black (5%)



Cyan (5%)


Magenta (11%)

Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8247, 0.3521, 0.3753 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 77.8247, 0.3521, 0.3753 by changing the saturation by 10% instead.


 77.8247, 0.3521,
0.3753

 77.8247, 0.3521,
0.3753

487.5713, 0.3342,
0.3541

 57.9300, 0.3561,
0.3801


 130.3030, 0.3460,
0.3680

 41.7524, 0.3609,
0.3859


163.6553, 0.3436,
0.3652

 28.9074, 0.3670,
0.3932


202.2623, 0.3415,
0.3627

 19.0108, 0.3747,
0.4025

246.5084, 0.3397,
0.3605

 11.6781, 0.3848,
0.4149

296.7780, 0.3381,
0.3586

 6.5249, 0.3985,
0.4320

353.4554, 0.3366,

 3.1668, 0.4178,

0.3570

0.4566

416.9250, 0.3354,
0.3555

■ 1.2194, 0.4742,
0.5258

■ 0.0775, 0.2443,
0.7557

■ 77.8247, 0.3521,
0.3753

■ 77.8247, 0.3521,
0.3753

■ 73.7390, 0.3703,
0.3951

■ 82.1996, 0.3348,
0.3555

■ 69.9221, 0.3891,
0.4143

■ 86.8623, 0.3187,
0.3363

■ 66.3668, 0.4078,
0.4318

■ 91.7208, 0.3049,
0.3197

■ 63.0614, 0.4255,
0.4465

■ 95.3207, 0.3048,
0.3254

■ 59.9929, 0.4415,
0.4575

■ 97.6171, 0.3047,
0.3290

■ 57.1462, 0.4550,
0.4640

■ 54.5035, 0.4654,
0.4655

■ 52.9905, 0.4706,
0.4646

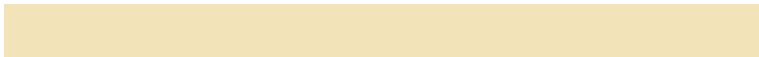
Harmonies

Analogous

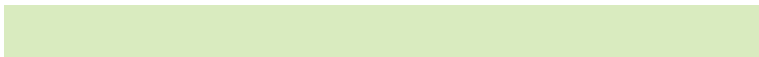
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8247, 0.3659, 0.3612



77.8247, 0.3521, 0.3753



77.8247, 0.3279, 0.3768

Triad

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



77.8247, 0.3521, 0.3753



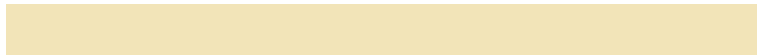
77.8247, 0.2631, 0.3145



77.8247, 0.3235, 0.2975

Complementary

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



77.8247, 0.3521, 0.3753



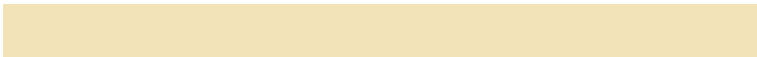
56.9951, 0.2731, 0.2780

Split Complementary

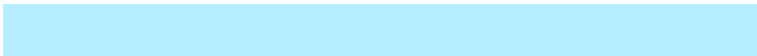
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.8247, 0.2958, 0.2857



77.8247, 0.3521, 0.3753



77.8247, 0.2620, 0.2942

Square

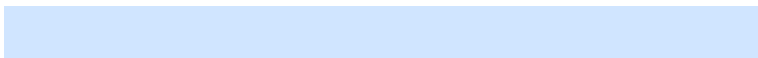
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8247, 0.3521, 0.3753



77.8247, 0.2769, 0.3403



77.8247, 0.2737, 0.2842



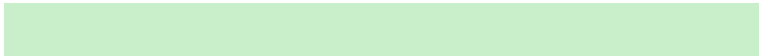
77.8247, 0.3492, 0.3169

Rectangle

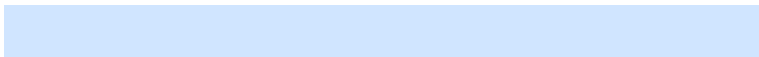
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8247, 0.3521, 0.3753



77.8247, 0.3095, 0.3697



77.8247, 0.2737, 0.2842



77.8247, 0.3141, 0.2925

Sweetspot

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



77.8282, 0.3521, 0.3753



96.1854, 0.3235, 0.3421



57.2652, 0.3504, 0.3134



20.5189, 0.3245, 0.3433



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.



77.8282, 0.3521, 0.3753



85.2554, 0.3613, 0.3855



83.3778, 0.3388, 0.3910



17.7749, 0.3274, 0.3468



28.6906, 0.4695, 0.4654



2.5396, 0.4615, 0.4718

Inverse Universe

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



56.9951, 0.2731, 0.2780



57.8491, 0.2637, 0.2652



52.7734, 0.2822, 0.2631



15.8481, 0.2980, 0.3105



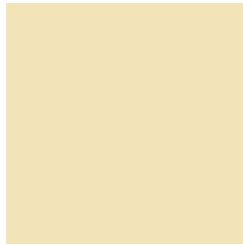
5.2684, 0.1576, 0.0872



0.5883, 0.1643, 0.1115

Previews

White Background



This preview shows how the Yxy color 77.8247, 0.3521, 0.3753 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 77.8247, 0.3521, 0.3753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

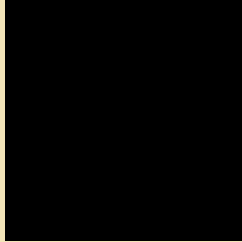
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8247, 0.3521, 0.3753

Background



This preview shows how black text looks on a background with the Yxy color 77.8247, 0.3521, 0.3753.

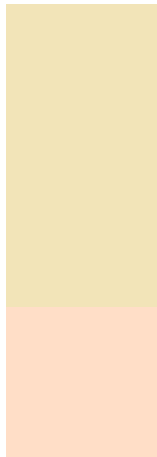


This preview shows how white text looks on a background with the Yxy color 77.8247, 0.3521, 0.3753.

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

77.8247, 0.3521, 0.3753

Protanopia

77.8247, 0.3521, 0.3753

Deuteranopia

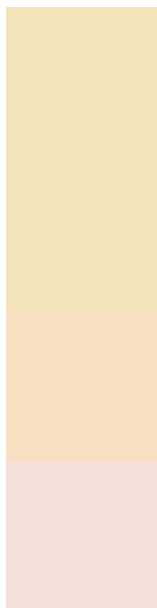
77.6261, 0.3527, 0.3525



Tritanopia

78.0257, 0.3213, 0.3120

Trichromacy



Original Color

77.8247, 0.3521, 0.3753

Protanomaly

77.8247, 0.3521, 0.3753

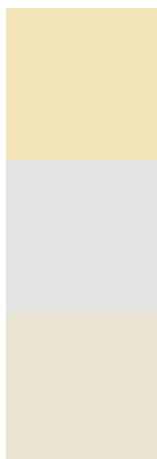
Deuteranomaly

77.5303, 0.3521, 0.3600

Tritanomaly

77.9661, 0.3324, 0.3352

Monochromacy



Original Color

77.8247, 0.3521, 0.3753

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

76.7971, 0.3267, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8247, 0.3521, 0.3753 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(242, 228, 184)` looks like.

```
.text, #text, p{  
    color:rgb(242, 228, 184)  
}
```

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(242, 228, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 228, 184) }
```

Border

The CSS property to change the border of an element to Yxy 77.8247, 0.3521, 0.3753 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(242, 228, 184) }
```

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

```
.border{ border-color:rgb(242, 228, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 228, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 228, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 228, 184);  
box-shadow:4px 4px 4px 4px rgb(242, 228,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8247, 0.3521, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 228, 184) }
```

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

```
.background{ background-color: rgb(242,  
228, 184) }
```

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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