

Converting Colors

$Y_{xy}(75.8620, 0.3520, 0.3647)$

Have a look what the booklet for
Yxy(75.8620, 0.3520, 0.3647)
contains.

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Color

Yxy(75.8620, 0.3520, 0.3647)

Conversions

Conversions Part 1

Format	Color
Hex	F5DFBD
RGB	245, 223, 189
RGB Percent	96%, 87%, 74%
CMY	0.0394, 0.1254, 0.2588
CMYK	0.00, 0.09, 0.23, 0.04
HSL	36°, 74%, 85%
HSV	36°, 23%, 96%
XYZ	73.2202, 75.8620, 58.9298
YIQ	225.7020, 24.0260, -5.9100

Conversions

Conversions Part 2

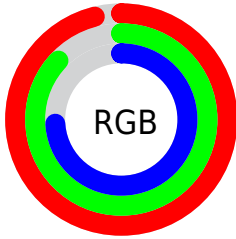
Format	Color
R _Y B	225, 245, 189
Decimal	16113597
CIE Lab	89.80, 2.34, 19.42
CIE LCh	90, 19.558, 83.129
Yxy	75.8620, 0.3520, 0.3647
Android (android.graphics.Color)	4294303677 (0xFFF5DFBD)
YUV	225.7020, -18.0941, 16.9243
Hunter-Lab	87.0988, -2.3655, 20.8544

Details

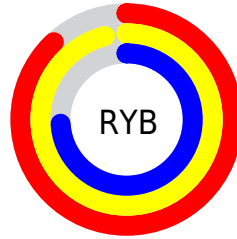
The Yxy color **75.8620, 0.3520, 0.3647** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.9747, 0.2758, 0.2905**, and the grayscale version is **75.9465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **40.4742, 0.3605, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **69.9002, 0.3723, 0.3810**, and if you desaturate by 10%, it is **82.3016, 0.3336, 0.3486**.

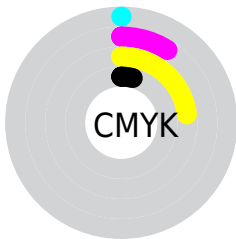
Distribution



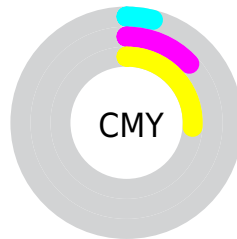
- Red (96%)
- Green (87%)
- Blue (74%)



- Red (88%)
- Yellow (96%)
- Blue (74%)



- Cyan (0%)
- Magenta (9%)
- Yellow (23%)
- Black (4%)





- Cyan (4%)
- Magenta (13%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8620, 0.3520, 0.3647 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 75.8620, 0.3520, 0.3647 by changing the saturation by 10% instead.

 75.8620, 0.3520,
0.3647

 75.8620, 0.3520,
0.3647

480.8752, 0.3339,
0.3484

 56.3194, 0.3561,
0.3683

 127.5318, 0.3458,
0.3591

 40.4590, 0.3611,
0.3728

160.4278, 0.3433,
0.3569

 27.8966, 0.3674,
0.3784


198.5436, 0.3412,
0.3550

 18.2477, 0.3755,
0.3855

242.2638, 0.3394,
0.3534

 11.1280, 0.3864,
0.3949

291.9726, 0.3378,
0.3519

 6.1530, 0.4017,
0.4079

348.0545, 0.3364,

 2.9383, 0.4241,

0.3506

0.4265

410.8939, 0.3351,
0.3495

■ 1.0996, 0.5029,
0.4971

■ 0.0000, 1.0000,
0.0000

■ 75.8620, 0.3520,
0.3647

■ 75.8620, 0.3520,
0.3647

■ 69.9002, 0.3723,
0.3810

■ 82.3016, 0.3336,
0.3486

■ 64.3922, 0.3941,
0.3970

■ 89.2219, 0.3171,
0.3332

■ 59.3267, 0.4171,
0.4117

■ 96.1464, 0.3066,
0.3259

■ 54.6879, 0.4405,
0.4241

■ 98.1461, 0.3066,
0.3290

■ 50.4584, 0.4630,
0.4329

■ 46.6189, 0.4836,
0.4370

■ 43.1470, 0.5009,
0.4358

■ 40.8667, 0.5115,
0.4321

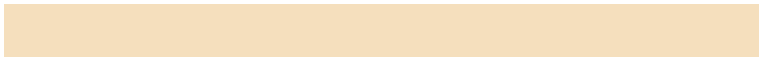
Harmonies

Analogous

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



75.8620, 0.3589, 0.3499



75.8620, 0.3520, 0.3647



75.8620, 0.3344, 0.3703

Triad

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



75.8620, 0.3520, 0.3647



75.8620, 0.2740, 0.3252



75.8620, 0.3126, 0.2972

Complementary

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



75.8620, 0.3520, 0.3647



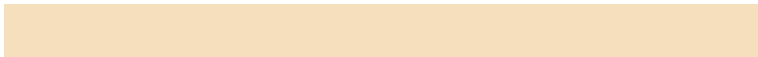
63.9747, 0.2758, 0.2905

Split Complementary

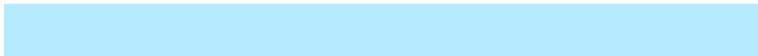
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.8620, 0.2902, 0.2904



75.8620, 0.3520, 0.3647



75.8620, 0.2686, 0.3056

Square

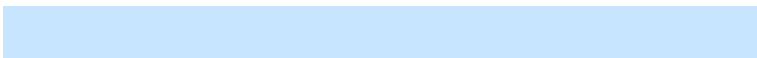
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8620, 0.3520, 0.3647



75.8620, 0.2895, 0.3470



75.8620, 0.2744, 0.2932



75.8620, 0.3357, 0.3117

Rectangle

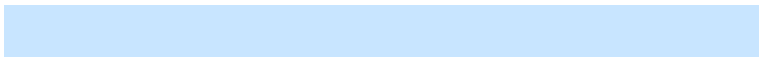
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8620, 0.3520, 0.3647



75.8620, 0.3194, 0.3674



75.8620, 0.2744, 0.2932



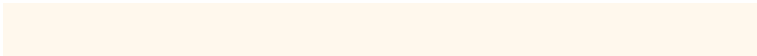
75.8620, 0.3047, 0.2940

Sweetspot

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



75.8654, 0.3520, 0.3647



94.5176, 0.3237, 0.3395



60.5263, 0.3414, 0.3054



20.1321, 0.3247, 0.3405



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.



75.8654, 0.3520, 0.3647



80.2970, 0.3603, 0.3716



87.3728, 0.3434, 0.3869



18.1589, 0.3278, 0.3434



22.3002, 0.5096, 0.4336



2.1597, 0.4952, 0.4450

Inverse Universe

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



63.9747, 0.2758, 0.2905



65.3431, 0.2686, 0.2823



54.5370, 0.2778, 0.2654



16.9928, 0.2980, 0.3142



8.3175, 0.1678, 0.1239



0.9250, 0.1746, 0.1486

Previews

White Background



This preview shows how the Yxy color 75.8620, 0.3520, 0.3647 looks on a white background.

Color Contrast Check

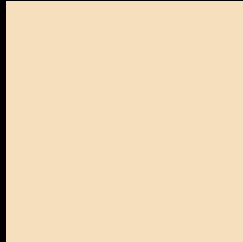
Large Text (above 18pt) WCAG AA × Fail

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 75.8620, 0.3520, 0.3647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

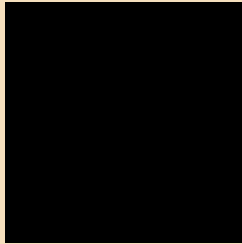
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

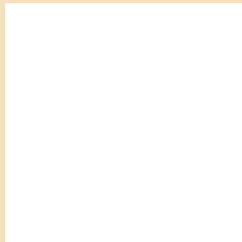
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8620, 0.3520, 0.3647

Background



This preview shows how black text looks on a background with the Yxy color 75.8620, 0.3520, 0.3647.



This preview shows how white text looks on a background with the Yxy color 75.8620, 0.3520, 0.3647.

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

75.8620, 0.3520, 0.3647

Protanopia

75.7453, 0.3457, 0.3663

Deuteranopia

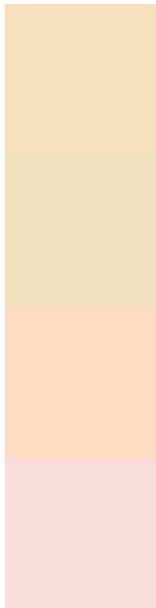
75.9543, 0.3548, 0.3516



Tritanopia

76.0755, 0.3258, 0.3120

Trichromacy



Original Color

75.8620, 0.3520, 0.3647

Protanomaly

75.7298, 0.3481, 0.3650

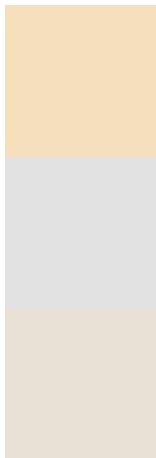
Deuteranomaly

75.5907, 0.3537, 0.3559

Tritanomaly

75.8647, 0.3353, 0.3301

Monochromacy



Original Color

75.8620, 0.3520, 0.3647

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

75.9782, 0.3263, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8620, 0.3520, 0.3647 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(245, 223, 189)` looks like.

```
.text, #text, p{  
    color:rgb(245, 223, 189)  
}
```

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(245, 223, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 223, 189) }
```

Border

The CSS property to change the border of an element to Yxy 75.8620, 0.3520, 0.3647 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(245, 223, 189) }
```

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

```
.border{ border-color:rgb(245, 223, 189) }
```

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

Here you see how a box with a 4 pixel rgb(245, 223, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 223, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 223, 189);  
box-shadow:4px 4px 4px 4px rgb(245, 223,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8620, 0.3520, 0.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 223, 189) }
```

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

```
.background{ background-color: rgb(245,  
223, 189) }
```

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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