

Converting Colors

$Y_{xy}(85.3090, 0.3516, 0.3691)$

Have a look what the booklet for
Yxy(85.3090, 0.3516, 0.3691)
contains.

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Color

Yxy(85.2364, 0.3518, 0.3693)

Conversions

Conversions Part 1

Format	Color
Hex	FFECC4
RGB	255, 236, 196
RGB Percent	100%, 93%, 77%
CMY	0.0000, 0.0745, 0.2315
CMYK	0.00, 0.07, 0.23, 0.00
HSL	41°, 100%, 88%
HSV	41°, 23%, 100%
XYZ	81.1973, 85.2364, 64.3716
YIQ	237.1210, 24.1640, -8.4120

Conversions

Conversions Part 2

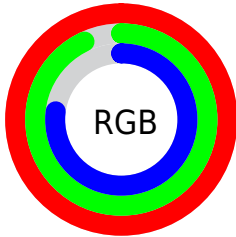
Format	Color
RYB	224, 255, 196
Decimal	16772292
CIELab	93.98, 0.36, 21.77
CIELCh	94, 21.774, 89.063
Yxy	85.2364, 0.3518, 0.3693
Android (android.graphics.Color)	4294962372 (0xFFFFECC4)
YUV	237.1210, -20.2727, 15.6799
Hunter-Lab	92.3236, -4.5779, 23.2872

Details

The Yxy color **85.2364, 0.3518, 0.3693** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.5265, 0.2748, 0.2851**, and the grayscale version is **84.9303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **46.6013, 0.3607, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **79.5589, 0.3712, 0.3874**, and if you desaturate by 10%, it is **91.3330, 0.3339, 0.3514**.

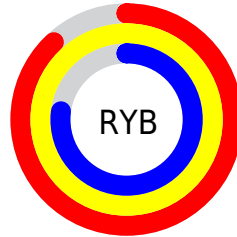
Distribution



Red (100%)

Green (93%)

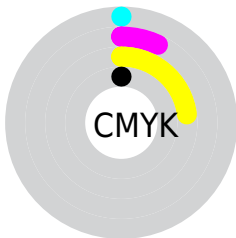
Blue (77%)



Red (88%)

Yellow (100%)

Blue (77%)

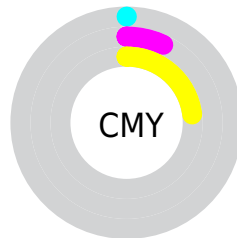


Cyan (0%)

Magenta (7%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.2364, 0.3518, 0.3693 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 85.2364, 0.3518, 0.3693 by changing the saturation by 10% instead.


 85.2364, 0.3518,
0.3693

 85.2364, 0.3518,
0.3693


512.4100, 0.3343,
0.3512

 64.0367, 0.3557,
0.3733


140.7034, 0.3458,
0.3632

 46.6804, 0.3604,
0.3781


175.7395, 0.3435,
0.3607

 32.7831, 0.3662,
0.3841


216.1566, 0.3414,
0.3586

 21.9603, 0.3736,
0.3917

262.3390, 0.3396,
0.3568

 13.8278, 0.3833,
0.4016

314.6712, 0.3381,
0.3552

 8.0010, 0.3964,
0.4150

373.5375, 0.3367,

 4.0956, 0.4149,

0.3537

0.4338

439.3223, 0.3354,
0.3524

■ 1.7272, 0.4668,
0.4871

■ 0.4412, 0.4924,
0.5076

■ 85.2364, 0.3518,
0.3693

■ 85.2364, 0.3518,
0.3693

■ 79.5589, 0.3712,
0.3874

■ 91.3330, 0.3339,
0.3514

■ 74.2804, 0.3916,
0.4049

■ 97.8536, 0.3175,
0.3342

■ 69.3897, 0.4126,
0.4211

100.0000, 0.3127,
0.3290

■ 64.8716, 0.4333,
0.4347

■ 60.7098, 0.4527,
0.4447

■ 56.8854, 0.4699,
0.4500

■ 53.3766, 0.4839,
0.4501

■ 51.1357, 0.4918,
0.4477

Harmonies

Analogous

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



85.2364, 0.3619, 0.3550



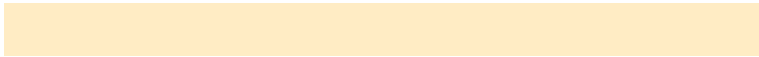
85.2364, 0.3518, 0.3693



85.2364, 0.3313, 0.3730

Triad

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



85.2364, 0.3518, 0.3693



85.2364, 0.2692, 0.3203



85.2364, 0.3176, 0.2976

Complementary

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



85.2364, 0.3518, 0.3693



67.5265, 0.2748, 0.2851

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.



85.2364, 0.2930, 0.2885



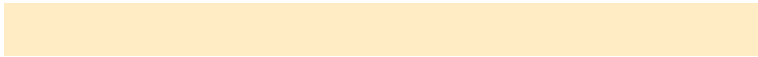
85.2364, 0.3518, 0.3693



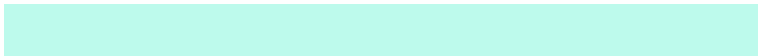
85.2364, 0.2658, 0.3005

Square

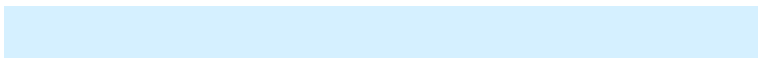
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2364, 0.3518, 0.3693



85.2364, 0.2838, 0.3439



85.2364, 0.2743, 0.2893



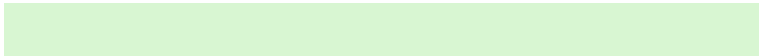
85.2364, 0.3417, 0.3142

Rectangle

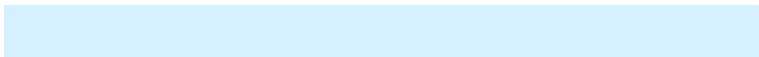
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.2364, 0.3518, 0.3693



85.2364, 0.3148, 0.3682



85.2364, 0.2743, 0.2893



85.2364, 0.3091, 0.2936

Sweetspot

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



85.2388, 0.3518, 0.3693



95.2941, 0.3236, 0.3408



65.6606, 0.3450, 0.3090



20.3121, 0.3246, 0.3418



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

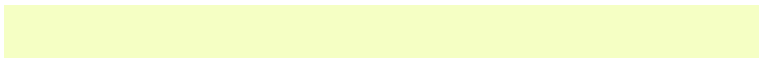
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2388, 0.3518, 0.3693



82.4350, 0.3610, 0.3781



94.9449, 0.3412, 0.3883



20.0476, 0.3277, 0.3451



27.0017, 0.4903, 0.4489



2.8271, 0.4802, 0.4569

Inverse Universe

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



67.5265, 0.2748, 0.2851



61.7778, 0.2663, 0.2745



59.7744, 0.2798, 0.2648



18.3316, 0.2979, 0.3124



7.1661, 0.1624, 0.1046



0.8857, 0.1686, 0.1268

Previews

White Background



This preview shows how the Yxy color 85.2364, 0.3518, 0.3693 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 85.2364, 0.3518, 0.3693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

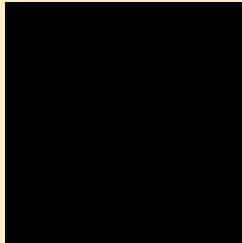
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.2364, 0.3518, 0.3693

Background



This preview shows how black text looks on a background with the Yxy color 85.2364, 0.3518, 0.3693.

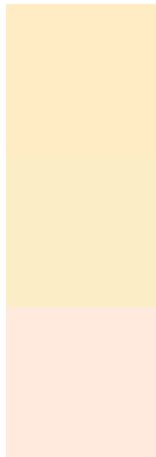


This preview shows how white text looks on a background with the Yxy color 85.2364, 0.3518, 0.3693.

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

85.2364, 0.3518, 0.3693

Protanopia

85.1088, 0.3480, 0.3696

Deuteranopia

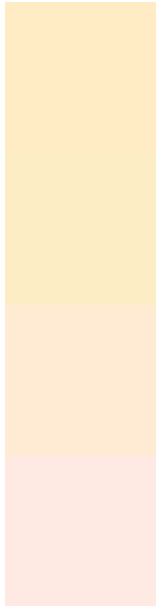
85.3261, 0.3355, 0.3420



Tritanopia

84.9435, 0.3208, 0.3163

Trichromacy



Original Color

85.2364, 0.3518, 0.3693

Protanomaly

85.2950, 0.3487, 0.3695

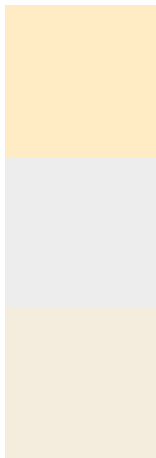
Deuteranomaly

85.4301, 0.3413, 0.3520

Tritanomaly

85.0839, 0.3317, 0.3350

Monochromacy



Original Color

85.2364, 0.3518, 0.3693

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.0754, 0.3269, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.2364, 0.3518, 0.3693 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(255, 236, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 196)  
}
```

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(255, 236, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 196) }
```

Border

The CSS property to change the border of an element to Yxy 85.2364, 0.3518, 0.3693 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(255, 236, 196) }
```

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

```
.border{ border-color:rgb(255, 236, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 85.2364, 0.3518, 0.3693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 196) }
```

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

```
.background{ background-color: rgb(255,  
236, 196) }
```

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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