

Converting Colors

$Y_{xy}(87.3355, 0.3665, 0.3721)$

Have a look what the booklet for
Yxy(87.3355, 0.3665, 0.3721)
contains.

Yxy(84.4382, 0.3553, 0.3734)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.4382, 0.3553, 0.3734)

Conversions

Conversions Part 1

Format	Color
Hex	FFEBBF
RGB	255, 235, 191
RGB Percent	100%, 92%, 75%
CMY	0.0001, 0.0784, 0.2510
CMYK	0.00, 0.08, 0.25, 0.00
HSL	41°, 100%, 87%
HSV	41°, 25%, 100%
XYZ	80.3452, 84.4382, 61.3500
YIQ	235.9640, 26.0440, -9.4440

Conversions

Conversions Part 2

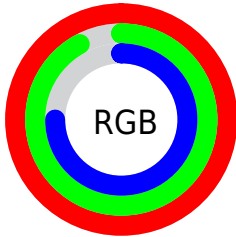
Format	Color
R _Y B	220, 255, 191
Decimal	16772031
CIE Lab	93.64, 0.18, 23.85
CIE LCh	94, 23.847, 89.579
Yxy	84.4382, 0.3553, 0.3734
Android (android.graphics.Color)	4294962111 (0xFFFFEBBF)
YUV	235.9640, -22.1673, 16.6946
Hunter-Lab	91.8903, -4.7347, 24.7386

Details

The Yxy color **84.4382, 0.3553, 0.3734** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.8616, 0.2714, 0.2802**, and the grayscale version is **84.0097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.5573, 0.3168, 0.3357**, and **46.0521, 0.3654, 0.3831** is the 20% darker color. If you saturate the color by 10%, you get **78.9611, 0.3748, 0.3917**, and if you desaturate by 10%, it is **90.3221, 0.3372, 0.3552**.

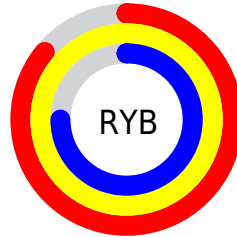
Distribution



Red (100%)

Green (92%)

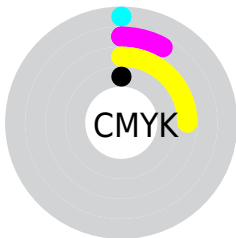
Blue (75%)



Red (86%)

Yellow (100%)

Blue (75%)

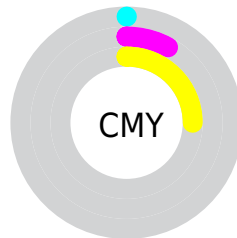


Cyan (0%)

Magenta (8%)

Yellow (25%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4382, 0.3553, 0.3734 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 84.4382, 0.3553, 0.3734 by changing the saturation by 10% instead.

 84.4382, 0.3553,
0.3734

 84.4382, 0.3553,
0.3734


509.7672, 0.3362,
0.3535

 63.3773, 0.3595,
0.3778

 139.5880, 0.3488,
0.3666

 46.1465, 0.3646,
0.3831


174.4457, 0.3462,
0.3640

 32.3614, 0.3709,
0.3897


214.6710, 0.3440,
0.3616

 21.6377, 0.3790,
0.3980

260.6485, 0.3421,
0.3596

 13.5909, 0.3894,
0.4089

312.7625, 0.3403,
0.3578

 7.8367, 0.4035,
0.4235

371.3973, 0.3388,

 3.9906, 0.4230,

0.3562

0.4437

436.9374, 0.3374,
0.3548

■ 1.6683, 0.4883,
0.5117

■ 0.4030, 0.4901,
0.5099

■ 84.4382, 0.3553,
0.3734

■ 84.4382, 0.3553,
0.3734

■ 78.9611, 0.3748,
0.3917

■ 90.3221, 0.3372,
0.3552

■ 73.8665, 0.3951,
0.4092

■ 96.6133, 0.3206,
0.3376

■ 69.1446, 0.4159,
0.4252

99.9956, 0.3127,
0.3290

■ 64.7805, 0.4360,
0.4384

■ 60.7575, 0.4547,
0.4477

■ 57.0567, 0.4708,
0.4522

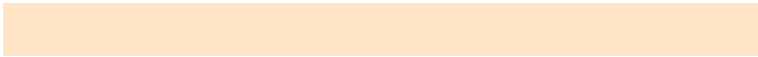
■ 53.6554, 0.4838,
0.4515

■ 52.0811, 0.4892,
0.4498

Harmonies

Analogous

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



84.4382, 0.3667, 0.3577



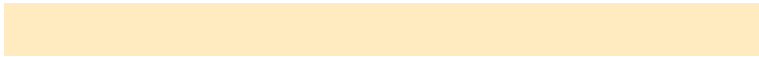
84.4382, 0.3553, 0.3734



84.4382, 0.3326, 0.3774

Triad

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



84.4382, 0.3553, 0.3734



84.4382, 0.2649, 0.3189



84.4382, 0.3185, 0.2949

Complementary

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



84.4382, 0.3553, 0.3734



64.8616, 0.2714, 0.2802

Split Complementary

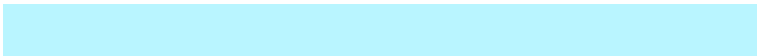
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.4382, 0.2914, 0.2848



84.4382, 0.3553, 0.3734



84.4382, 0.2615, 0.2973

Square

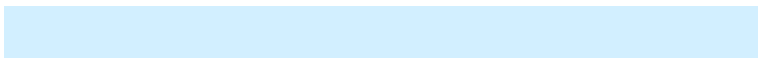
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.4382, 0.3553, 0.3734



84.4382, 0.2806, 0.3449



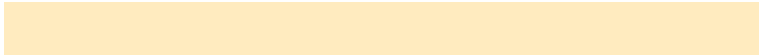
84.4382, 0.2709, 0.2854



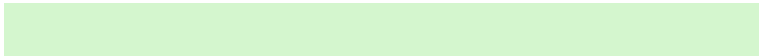
84.4382, 0.3450, 0.3131

Rectangle

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



84.4382, 0.3553, 0.3734



84.4382, 0.3144, 0.3720



84.4382, 0.2709, 0.2854



84.4382, 0.3091, 0.2905

Sweetspot

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



84.4420, 0.3553, 0.3734



94.7612, 0.3252, 0.3427



63.2312, 0.3493, 0.3083



20.0784, 0.3277, 0.3453



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

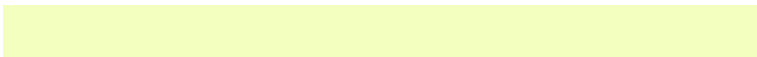
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4420, 0.3553, 0.3734



81.7204, 0.3647, 0.3824



94.3651, 0.3429, 0.3936



20.0784, 0.3277, 0.3453



27.4978, 0.4877, 0.4509



2.8726, 0.4780, 0.4587

Inverse Universe

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



64.8616, 0.2714, 0.2802



59.1581, 0.2626, 0.2691



57.1361, 0.2774, 0.2588



18.3023, 0.2979, 0.3122



6.9698, 0.1617, 0.1022



0.8638, 0.1679, 0.1243

Previews

White Background



This preview shows how the Yxy color 84.4382, 0.3553, 0.3734 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 84.4382, 0.3553, 0.3734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

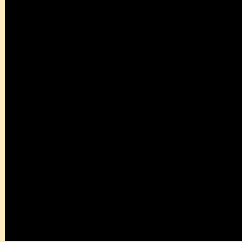
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.4382, 0.3553, 0.3734

Background



This preview shows how black text looks on a background with the Yxy color 84.4382, 0.3553, 0.3734.



This preview shows how white text looks on a background with the Yxy color 84.4382, 0.3553, 0.3734.

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

84.4382, 0.3553, 0.3734

Protanopia

84.3059, 0.3515, 0.3738

Deuteranopia

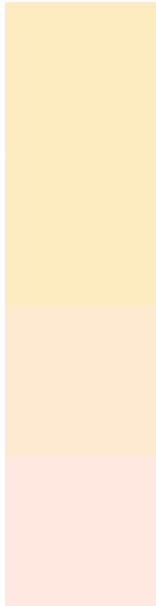
84.5998, 0.3377, 0.3440



Tritanopia

84.3247, 0.3215, 0.3163

Trichromacy



Original Color

84.4382, 0.3553, 0.3734

Protanomaly

84.4921, 0.3523, 0.3736

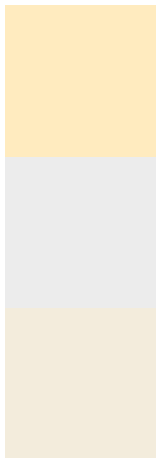
Deuteranomaly

84.6597, 0.3442, 0.3551

Tritanomaly

84.3550, 0.3338, 0.3370

Monochromacy



Original Color

84.4382, 0.3553, 0.3734

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.2129, 0.3276, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4382, 0.3553, 0.3734 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, 235, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 191)  
}
```

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, 235, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 191) }
```

Border

The CSS property to change the border of an element to Yxy 84.4382, 0.3553, 0.3734 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, 235, 191) }
```

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

```
.border{ border-color:rgb(255, 235, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4382, 0.3553, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 191) }
```

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

```
.background{ background-color: rgb(255,  
235, 191) }
```

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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