

Converting Colors

$Y_{xy}(84.1652, 0.3502, 0.3728)$

Have a look what the booklet for
Yxy(84.1652, 0.3502, 0.3728)
contains.

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Color

Yxy(84.1652, 0.3502, 0.3728)

Conversions

Conversions Part 1

Format	Color
Hex	FAECC1
RGB	250, 236, 193
RGB Percent	98%, 93%, 76%
CMY	0.0194, 0.0746, 0.2431
CMYK	0.00, 0.06, 0.23, 0.02
HSL	45°, 85%, 87%
HSV	45°, 23%, 98%
XYZ	79.0629, 84.1652, 62.5369
YIQ	235.2840, 22.1470, -10.4050

Conversions

Conversions Part 2

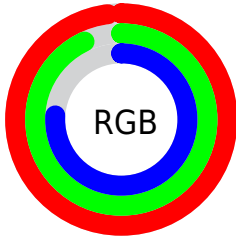
Format	Color
R _Y B	212, 250, 193
Decimal	16444609
CIE Lab	93.52, -1.84, 22.58
CIE LCh	94, 22.659, 94.667
Yxy	84.1652, 0.3502, 0.3728
Android (android.graphics.Color)	4294634689 (0xFFFAECC1)
YUV	235.2840, -20.8460, 12.9059
Hunter-Lab	91.7416, -6.7165, 23.8033

Details

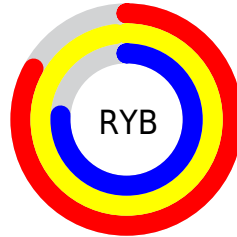
The Yxy color **84.1652, 0.3502, 0.3728** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.9144, 0.2751, 0.2810**, and the grayscale version is **83.4632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6821, 0.3156, 0.3338**, and **45.8441, 0.3586, 0.3826** is the 20% darker color. If you saturate the color by 10%, you get **79.6539, 0.3685, 0.3926**, and if you desaturate by 10%, it is **88.9956, 0.3330, 0.3532**.

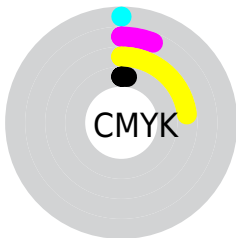
Distribution



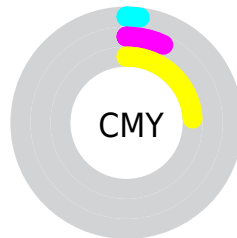
- Red (98%)
- Green (93%)
- Blue (76%)



- Red (83%)
- Yellow (98%)
- Blue (76%)



- Cyan (0%)
- Magenta (6%)
- Yellow (23%)
- Black (2%)





- Cyan (2%)
- Magenta (7%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.1652, 0.3502, 0.3728 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 84.1652, 0.3502, 0.3728 by changing the saturation by 10% instead.


 84.1652, 0.3502,
0.3728

 84.1652, 0.3502,
0.3728


508.8617, 0.3334,
0.3530

 63.1518, 0.3539,
0.3772

 139.2062, 0.3445,
0.3661

 45.9641, 0.3584,
0.3825


174.0027, 0.3422,
0.3634

 32.2175, 0.3639,
0.3891


214.1623, 0.3403,
0.3611

 21.5277, 0.3710,
0.3976

260.0695, 0.3386,
0.3591

 13.5102, 0.3802,
0.4087

312.1086, 0.3370,
0.3573

 7.7808, 0.3925,
0.4239


370.6641, 0.3357,


 3.9550, 0.4097,


0.3557


0.4454

436.1203, 0.3345,
0.3543

 1.6484, 0.4688,
0.5153


 0.3899, 0.4551,
0.5449


 84.1652, 0.3502,
0.3728


 84.1652, 0.3502,
0.3728

 79.6539, 0.3685,
0.3926

 88.9956, 0.3330,
0.3532


 75.4395, 0.3873,
0.4118

 94.1436, 0.3170,
0.3342

 71.5143, 0.4062,
0.4294

 98.7546, 0.3097,
0.3285

 67.8657, 0.4243,
0.4445

 99.0755, 0.3097,
0.3290

■ 64.4796, 0.4408,
0.4558

■ 61.3401, 0.4548,
0.4627

■ 58.4280, 0.4658,
0.4646

■ 56.4560, 0.4720,
0.4634

Harmonies

Analogous

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



84.1652, 0.3632, 0.3595



84.1652, 0.3502, 0.3728



84.1652, 0.3274, 0.3743

Triad

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



84.1652, 0.3502, 0.3728



84.1652, 0.2657, 0.3155



84.1652, 0.3228, 0.2990

Complementary

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



84.1652, 0.3502, 0.3728



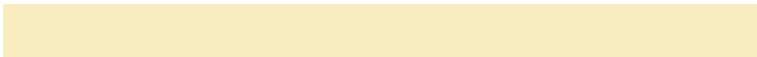
62.9144, 0.2751, 0.2810

Split Complementary

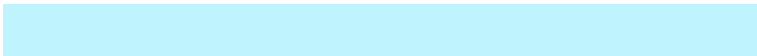
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1652, 0.2966, 0.2878



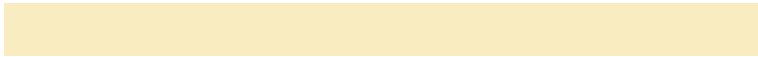
84.1652, 0.3502, 0.3728



84.1652, 0.2645, 0.2962

Square

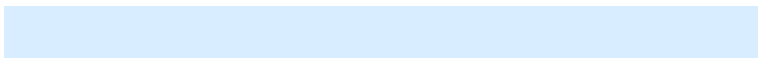
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.1652, 0.3502, 0.3728



84.1652, 0.2789, 0.3400



84.1652, 0.2756, 0.2866



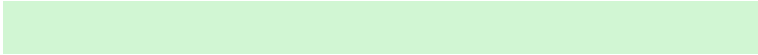
84.1652, 0.3471, 0.3174

Rectangle

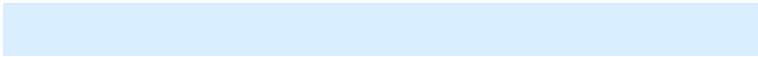
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.1652, 0.3502, 0.3728



84.1652, 0.3099, 0.3676



84.1652, 0.2756, 0.2866



84.1652, 0.3139, 0.2943

Sweetspot

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



84.1690, 0.3502, 0.3728



96.1251, 0.3235, 0.3420



62.9996, 0.3482, 0.3142



20.5049, 0.3245, 0.3432



0.0000, 0.0000, 0.0000



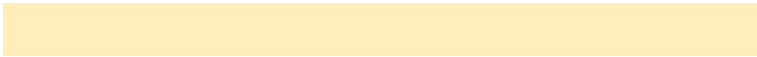
21.4041, 0.3127, 0.3290

Same Dimension

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



84.1690, 0.3502, 0.3728



85.9673, 0.3578, 0.3812



90.0595, 0.3376, 0.3880



19.4226, 0.3275, 0.3468



30.1678, 0.4710, 0.4642



2.9602, 0.4635, 0.4702

Inverse Universe

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



62.9144, 0.2751, 0.2810



60.4553, 0.2675, 0.2707



58.3568, 0.2838, 0.2665



17.3386, 0.2979, 0.3106



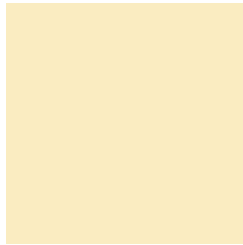
5.6592, 0.1578, 0.0880



0.6836, 0.1639, 0.1098

Previews

White Background



This preview shows how the Yxy color 84.1652, 0.3502, 0.3728 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 84.1652, 0.3502, 0.3728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

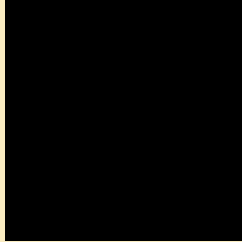
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.1652, 0.3502, 0.3728

Background



This preview shows how black text looks on a background with the Yxy color 84.1652, 0.3502, 0.3728.



This preview shows how white text looks on a background with the Yxy color 84.1652, 0.3502, 0.3728.

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

84.1652, 0.3502, 0.3728

Protanopia

84.1652, 0.3502, 0.3728

Deuteranopia

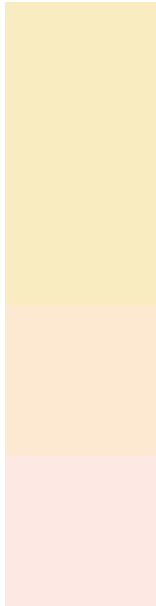
84.0352, 0.3378, 0.3430



Tritanopia

83.9524, 0.3196, 0.3124

Trichromacy



Original Color

84.1652, 0.3502, 0.3728

Protanomaly

84.1652, 0.3502, 0.3728

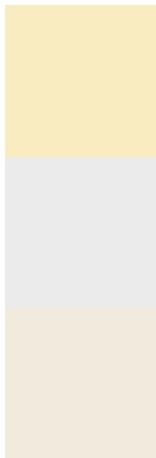
Deuteranomaly

83.7639, 0.3422, 0.3532

Tritanomaly

84.1419, 0.3304, 0.3340

Monochromacy



Original Color

84.1652, 0.3502, 0.3728

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.1092, 0.3256, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1652, 0.3502, 0.3728 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(250, 236, 193)` looks like.

```
.text, #text, p{  
    color:rgb(250, 236, 193)  
}
```

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(250, 236, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 236, 193) }
```

Border

The CSS property to change the border of an element to Yxy 84.1652, 0.3502, 0.3728 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(250, 236, 193) }
```

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

```
.border{ border-color:rgb(250, 236, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 236, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 236, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 236, 193);  
box-shadow:4px 4px 4px 4px rgb(250, 236,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1652, 0.3502, 0.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 236, 193) }
```

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

```
.background{ background-color: rgb(250,  
236, 193) }
```

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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