

Converting Colors

$Yxy(84.4536, 0.3264, 0.3637)$

Have a look what the booklet for
Yxy(84.4536, 0.3264, 0.3637)
contains.

Yxy(84.4536, 0.3264, 0.3637)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.4536, 0.3264, 0.3637)

Conversions

Conversions Part 1

Format	Color
Hex	E7F1D0
RGB	231, 241, 208
RGB Percent	91%, 95%, 82%
CMY	0.0941, 0.0549, 0.1844
CMYK	0.04, 0.00, 0.14, 0.05
HSL	78°, 54%, 88%
HSV	78°, 14%, 95%
XYZ	75.7923, 84.4536, 71.9609
YIQ	234.2480, 4.6330, -12.3830

Conversions

Conversions Part 2

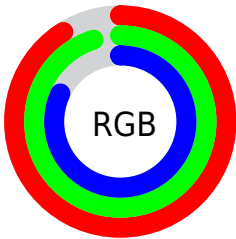
Format	Color
R_{YB}	208, 241, 218
Decimal	15200720
CIE _{Lab}	93.65, -8.96, 14.84
CIE _{LCh}	94, 17.331, 121.123
Yxy	84.4536, 0.3264, 0.3637
Android (android.graphics.Color)	4293390800 (0xFFE7F1D0)
YUV	234.2480, -12.9403, -2.8485
Hunter-Lab	91.8986, -13.6069, 17.9022

Details

The Yxy color $84.4536, 0.3264, 0.3637$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $66.3510, 0.2977, 0.2934$, and the grayscale version is $82.5750, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $46.1450, 0.3286, 0.3711$ is the 20% darker color. If you saturate the color by 10%, you get $82.1702, 0.3364, 0.3907$, and if you desaturate by 10%, it is $86.9752, 0.3164, 0.3381$.

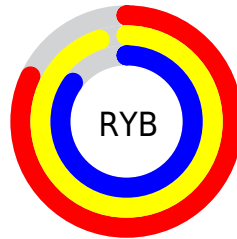
Distribution



Red (91%)

Green (95%)

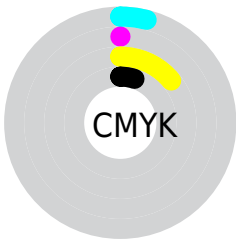
Blue (82%)



Red (82%)

Yellow (95%)

Blue (85%)

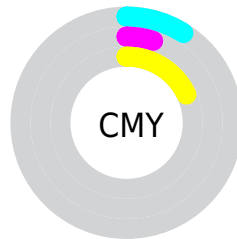


Cyan (4%)

Magenta (0%)

Yellow (14%)

Black (5%)



Cyan (9%)

Magenta (5%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4536, 0.3264, 0.3637 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 84.4536, 0.3264, 0.3637 by changing the saturation by 10% instead.

84.4536, 0.3264,
0.3637

84.4536, 0.3264,
0.3637

509.8183, 0.3204,
0.3478

63.3900, 0.3277,
0.3673

139.6095, 0.3244,
0.3582

46.1568, 0.3293,
0.3717

174.4706, 0.3236,
0.3561

32.3696, 0.3312,
0.3773

214.6997, 0.3229,
0.3542

21.6439, 0.3337,
0.3845

260.6811, 0.3222,
0.3526

13.5955, 0.3369,
0.3942

312.7993, 0.3217,
0.3512

7.8399, 0.3411,
0.4080

371.4386, 0.3212,

3.9927, 0.3469,

0.3499

0.4289

436.9835, 0.3208,
0.3488

■ 1.6695, 0.3591,
0.4698

■ 0.4038, 0.2902,
0.7098

■ 84.4536, 0.3264,
0.3637

■ 84.4536, 0.3264,
0.3637

■ 82.1702, 0.3364,
0.3907

■ 86.9752, 0.3164,
0.3381

■ 80.1054, 0.3459,
0.4184

■ 89.6566, 0.3073,
0.3153

■ 78.2535, 0.3545,
0.4460

■ 91.0000, 0.3120,
0.3155

■ 76.6042, 0.3617,
0.4724

■ 91.3956, 0.3133,
0.3156

■ 75.1466, 0.3670,
0.4963

■ 73.8682, 0.3700,
0.5166

■ 72.7546, 0.3704,
0.5322

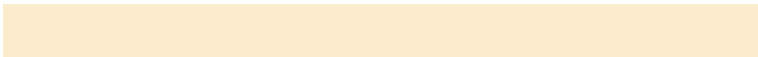
■ 71.7887, 0.3682,
0.5429

■ 71.2406, 0.3660,
0.5476

Harmonies

Analogous

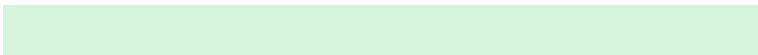
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4536, 0.3431, 0.3617



84.4536, 0.3264, 0.3637



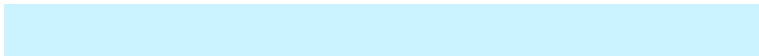
84.4536, 0.3064, 0.3556

Triad

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



84.4536, 0.3264, 0.3637



84.4536, 0.2752, 0.3055



84.4536, 0.3370, 0.3183

Complementary

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



84.4536, 0.3264, 0.3637



66.3510, 0.2977, 0.2934

Split Complementary

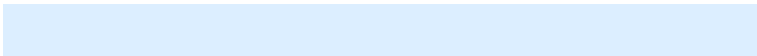
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.4536, 0.3181, 0.3044



84.4536, 0.3264, 0.3637



84.4536, 0.2827, 0.2968

Square

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



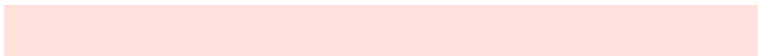
84.4536, 0.3264, 0.3637



84.4536, 0.2773, 0.3210



84.4536, 0.2983, 0.2966



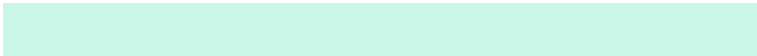
84.4536, 0.3495, 0.3351

Rectangle

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



84.4536, 0.3264, 0.3637



84.4536, 0.2940, 0.3455



84.4536, 0.2983, 0.2966



84.4536, 0.3312, 0.3132

Sweetspot

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



84.4573, 0.3264, 0.3637



98.7790, 0.3167, 0.3388



73.3365, 0.3366, 0.3395



21.0947, 0.3174, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

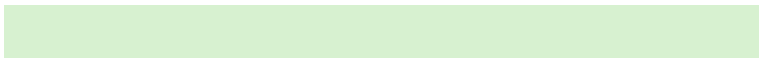
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4573, 0.3264, 0.3637



95.3761, 0.3287, 0.3699



81.8516, 0.3154, 0.3649



18.2048, 0.3221, 0.3527



38.7029, 0.3668, 0.5469



3.2715, 0.3739, 0.5413

Inverse Universe

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



66.3510, 0.2977, 0.2934



71.6738, 0.2948, 0.2868



69.0092, 0.3095, 0.2946



15.4608, 0.3027, 0.3049



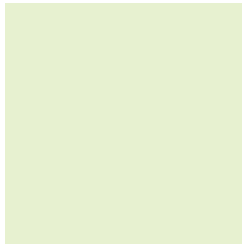
4.2737, 0.1706, 0.0713



0.4056, 0.1845, 0.0790

Previews

White Background



This preview shows how the Yxy color 84.4536, 0.3264, 0.3637 looks on a white background.

Color Contrast Check

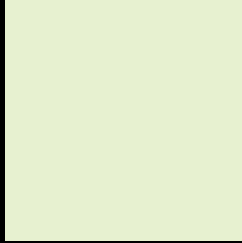
Large Text (above 18pt) WCAG AA × Fail

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 84.4536, 0.3264, 0.3637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

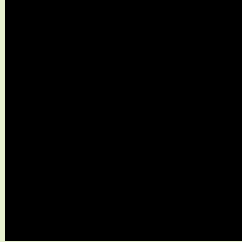
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

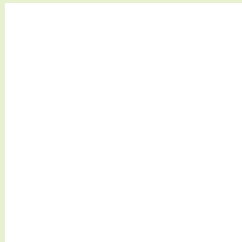
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.4536, 0.3264, 0.3637

Background



This preview shows how black text looks on a background with the Yxy color 84.4536, 0.3264, 0.3637.

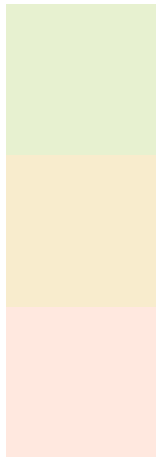


This preview shows how white text looks on a background with the Yxy color 84.4536, 0.3264, 0.3637.

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

84.4536, 0.3264, 0.3637

Protanopia

84.3551, 0.3408, 0.3606

Deuteranopia

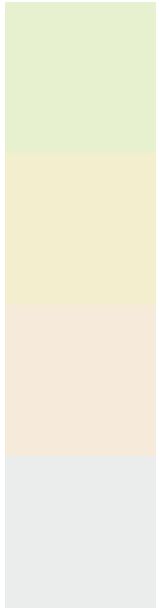
84.3009, 0.3345, 0.3380



Tritanopia

84.6857, 0.3037, 0.3110

Trichromacy



Original Color

84.4536, 0.3264, 0.3637

Protanomaly

84.4825, 0.3356, 0.3620

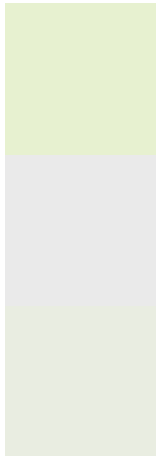
Deuteranomaly

84.0714, 0.3311, 0.3463

Tritanomaly

84.3450, 0.3114, 0.3290

Monochromacy



Original Color

84.4536, 0.3264, 0.3637

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.3283, 0.3175, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4536, 0.3264, 0.3637 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(231, 241, 208)` looks like.

```
.text, #text, p{  
    color:rgb(231, 241, 208)  
}
```

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(231, 241, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 241, 208) }
```

Border

The CSS property to change the border of an element to Yxy 84.4536, 0.3264, 0.3637 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(231, 241, 208) }
```

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

```
.border{ border-color:rgb(231, 241, 208) }
```

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

Here you see how a box with a 4 pixel rgb(231, 241, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 241, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 241, 208);  
box-shadow:4px 4px 4px 4px rgb(231, 241,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4536, 0.3264, 0.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 241, 208) }
```

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

```
.background{ background-color: rgb(231,  
241, 208) }
```

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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