

Converting Colors

$Yxy(68.4535, 0.3751, 0.3993)$

Have a look what the booklet for
Yxy(68.4535, 0.3751, 0.3993)
contains.

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Color

Yxy(68.6358, 0.3750, 0.3996)

Conversions

Conversions Part 1

Format	Color
Hex	ECD796
RGB	236, 215, 150
RGB Percent	93%, 84%, 59%
CMY	0.0743, 0.1569, 0.4117
CMYK	0.00, 0.09, 0.36, 0.07
HSL	45°, 69%, 76%
HSV	45°, 36%, 93%
XYZ	64.4105, 68.6358, 38.7150
YIQ	213.8690, 33.3810, -15.7630

Conversions

Conversions Part 2

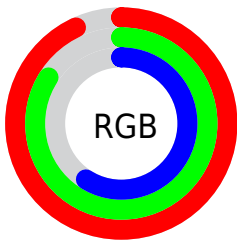
Format	Color
RYB	178, 236, 150
Decimal	15521686
CIELab	86.32, -1.87, 34.73
CIELCh	86, 34.781, 93.080
Yxy	68.6358, 0.3750, 0.3996
Android (android.graphics.Color)	4293711766 (0xFFECD796)
YUV	213.8690, -31.4874, 19.4089
Hunter-Lab	82.8467, -6.2042, 30.2860

Details

The Yxy color **68.6358, 0.3750, 0.3996** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.7005, 0.2500, 0.2464**, and the grayscale version is **67.3576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1878, 0.3424, 0.3780**, and **35.6072, 0.3896, 0.4158** is the 20% darker color. If you saturate the color by 10%, you get **65.0626, 0.3938, 0.4183**, and if you desaturate by 10%, it is **72.4725, 0.3565, 0.3800**.

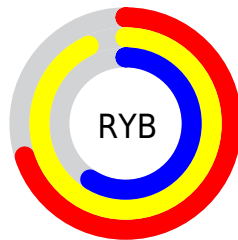
Distribution



Red (93%)

Green (84%)

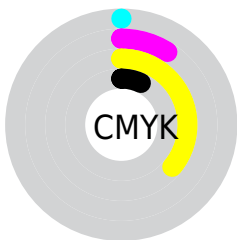
Blue (59%)



Red (70%)

Yellow (93%)

Blue (59%)

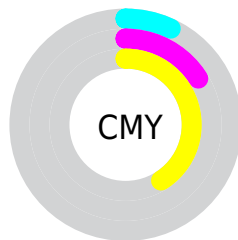


Cyan (0%)

Magenta (9%)

Yellow (36%)

Black (7%)



Cyan (7%)


Magenta (16%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.6358, 0.3750, 0.3996 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 68.6358, 0.3750, 0.3996 by changing the saturation by 10% instead.

 68.6358, 0.3750,
0.3996

 68.6358, 0.3750,
0.3996


455.7454, 0.3464,
0.3669

 50.4152, 0.3813,
0.4069

 117.2612, 0.3652,
0.3883

 35.7434, 0.3890,
0.4159


 148.4348, 0.3613,
0.3839

 24.2361, 0.3985,
0.4269


184.6949, 0.3580,
0.3801

 15.5088, 0.4103,
0.4409

226.4257, 0.3551,
0.3768

 9.1773, 0.4252,
0.4586

274.0118, 0.3525,
0.3739

 4.8570, 0.4441,
0.4819

327.8375, 0.3503,

 2.1636, 0.4772,

0.3713

0.5228

388.2873, 0.3482,
0.3690

0.7000, 0.4696,
0.5304

0.0000, 0.0000,
0.0000

68.6358, 0.3750,
0.3996

68.6358, 0.3750,
0.3996

65.0626, 0.3938,
0.4183

72.4725, 0.3565,
0.3800

61.7330, 0.4124,
0.4352

76.5726, 0.3390,
0.3602

58.6389, 0.4300,
0.4491

80.9483, 0.3226,
0.3410

55.7675, 0.4455,
0.4590

85.6078, 0.3075,
0.3226

■ 53.1044, 0.4584,
0.4642

■ 89.6903, 0.3012,
0.3179

■ 50.6311, 0.4683,
0.4645

■ 93.2201, 0.3012,
0.3237

■ 49.7876, 0.4713,
0.4639

■ 96.5810, 0.3012,
0.3290

Harmonies

Analogous

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



68.6358, 0.3961, 0.3751



68.6358, 0.3750, 0.3996



68.6358, 0.3377, 0.4054

Triad

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



68.6358, 0.3750, 0.3996



68.6358, 0.2380, 0.3073



68.6358, 0.3262, 0.2799

Complementary

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



68.6358, 0.3750, 0.3996



41.7005, 0.2500, 0.2464

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.



68.6358, 0.2838, 0.2631



68.6358, 0.3750, 0.3996



68.6358, 0.2353, 0.2761

Square

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



68.6358, 0.3750, 0.3996



68.6358, 0.2592, 0.3488



68.6358, 0.2514, 0.2611



68.6358, 0.3674, 0.3079

Rectangle

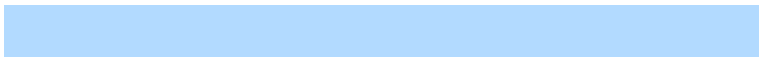
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6358, 0.3750, 0.3996



68.6358, 0.3093, 0.3956



68.6358, 0.2514, 0.2611



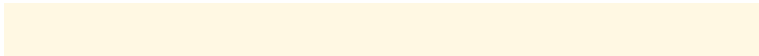
68.6358, 0.3115, 0.2728

Sweetspot

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



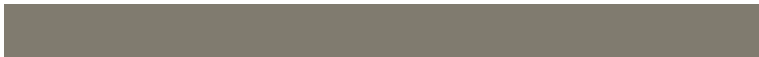
68.6390, 0.3750, 0.3996



94.0203, 0.3300, 0.3497



42.6206, 0.3786, 0.3049



19.9725, 0.3322, 0.3524



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.



68.6390, 0.3750, 0.3996



78.4681, 0.3896, 0.4142



76.5987, 0.3516, 0.4248



16.9660, 0.3274, 0.3467



27.6446, 0.4703, 0.4648



2.3194, 0.4617, 0.4716

Inverse Universe

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



41.7005, 0.2500, 0.2464



41.8909, 0.2353, 0.2252



36.5952, 0.2624, 0.2235



15.1478, 0.2980, 0.3107



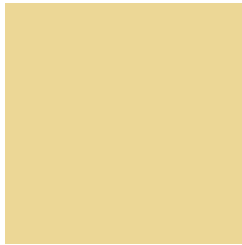
5.1635, 0.1578, 0.0880



0.5528, 0.1650, 0.1139

Previews

White Background



This preview shows how the Yxy color 68.6358, 0.3750, 0.3996 looks on a white background.

Color Contrast Check

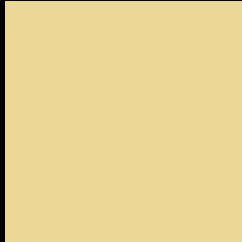
Large Text (above 18pt) WCAG AA × Fail

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 68.6358, 0.3750, 0.3996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

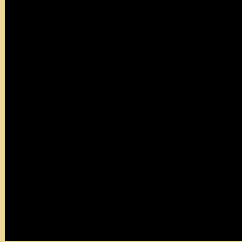
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6358, 0.3750, 0.3996

Background



This preview shows how black text looks on a background with the Yxy color 68.6358, 0.3750, 0.3996.



This preview shows how white text looks on a background with the Yxy color 68.6358, 0.3750, 0.3996.

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

68.6358, 0.3750, 0.3996

Protanopia

68.6374, 0.3722, 0.4013

Deuteranopia

68.3200, 0.3882, 0.3809



Tritanopia

68.6496, 0.3302, 0.3124

Trichromacy



Original Color

68.6358, 0.3750, 0.3996

Protanomaly

68.8062, 0.3730, 0.4011

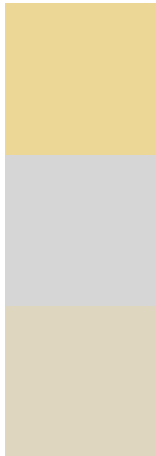
Deuteranomaly

68.3827, 0.3836, 0.3881

Tritanomaly

68.2872, 0.3468, 0.3430

Monochromacy



Original Color

68.6358, 0.3750, 0.3996

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.3843, 0.3348, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6358, 0.3750, 0.3996 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(236, 215, 150)` looks like.

```
.text, #text, p{  
    color:rgb(236, 215, 150)  
}
```

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(236, 215, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 215, 150) }
```

Border

The CSS property to change the border of an element to Yxy 68.6358, 0.3750, 0.3996 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(236, 215, 150) }
```

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

```
.border{ border-color:rgb(236, 215, 150) }
```

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

Here you see how a box with a 4 pixel rgb(236, 215, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 215, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 215, 150);  
box-shadow:4px 4px 4px 4px rgb(236, 215,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6358, 0.3750, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 215, 150) }
```

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

```
.background{ background-color: rgb(236,  
215, 150) }
```

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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