

Converting Colors

$Yxy(64.0658, 0.3530, 0.3604)$

Have a look what the booklet for
Yxy(64.0658, 0.3530, 0.3604)
contains.

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Color

Yxy(64.1800, 0.3522, 0.3603)

Conversions

Conversions Part 1

Format	Color
Hex	E6CEB2
RGB	230, 206, 178
RGB Percent	90%, 81%, 70%
CMY	0.0981, 0.1921, 0.3019
CMYK	0.00, 0.10, 0.23, 0.10
HSL	32°, 51%, 80%
HSV	32°, 23%, 90%
XYZ	62.7372, 64.1800, 51.2122
YIQ	209.9840, 23.2920, -3.6200

Conversions

Conversions Part 2

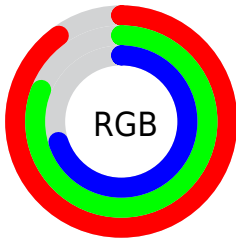
Format	Color
R _Y B	223, 230, 178
Decimal	15126194
CIE Lab	84.06, 4.05, 16.98
CIE LCh	84, 17.456, 76.574
Yxy	64.1800, 0.3522, 0.3603
Android (android.graphics.Color)	4293316274 (0xFFE6CEB2)
YUV	209.9840, -15.7681, 17.5540
Hunter-Lab	80.1124, -0.4109, 18.1773

Details

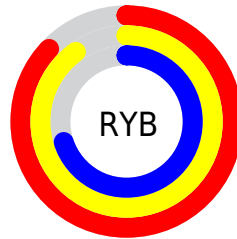
The Yxy color **64.1800, 0.3522, 0.3603** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **57.4170, 0.2767, 0.2955**, and the grayscale version is **64.5330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **32.9358, 0.3624, 0.3685** is the 20% darker color. If you saturate the color by 10%, you get **58.3975, 0.3733, 0.3749**, and if you desaturate by 10%, it is **70.4680, 0.3334, 0.3460**.

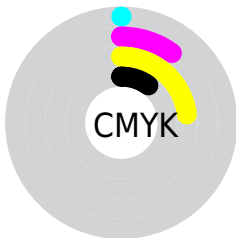
Distribution



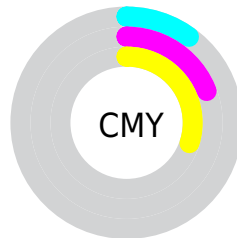
- Red (90%)
- Green (81%)
- Blue (70%)



- Red (87%)
- Yellow (90%)
- Blue (70%)



- Cyan (0%)
- Magenta (10%)
- Yellow (23%)
- Black (10%)





- Cyan (10%)
- Magenta (19%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1800, 0.3522, 0.3603 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 64.1800, 0.3522, 0.3603 by changing the saturation by 10% instead.


 64.1800, 0.3522,
0.3603

 64.1800, 0.3522,
0.3603


439.8394, 0.3335,
0.3457

 46.7965, 0.3566,
0.3637


 110.8701, 0.3456,
0.3552

 32.8748, 0.3621,
0.3678


140.9455, 0.3431,
0.3532

 22.0305, 0.3691,
0.3731


176.0203, 0.3409,
0.3515

 13.8793, 0.3783,
0.3799

216.4789, 0.3390,
0.3501

 8.0368, 0.3912,
0.3892

262.7058, 0.3374,
0.3488

 4.1185, 0.4099,
0.4022

315.0852, 0.3359,

 1.7401, 0.4466,

0.3476

0.4284

374.0016, 0.3346,
0.3466

0.4494, 0.5393,
0.4607

0.0000, 0.0000,
0.0000

64.1800, 0.3522,
0.3603

64.1800, 0.3522,
0.3603

58.3975, 0.3733,
0.3749

70.4680, 0.3334,
0.3460

53.0974, 0.3965,
0.3892

77.2666, 0.3167,
0.3324

48.2671, 0.4215,
0.4024

84.5918, 0.3021,
0.3196

43.8904, 0.4474,
0.4134

91.4509, 0.2975,
0.3224

■ 39.9495, 0.4732,
0.4209

■ 95.5597, 0.2976,
0.3290

■ 36.4247, 0.4972,
0.4238

■ 33.2936, 0.5180,
0.4212

■ 31.2062, 0.5313,
0.4164

Harmonies

Analogous

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



64.1800, 0.3561, 0.3451



64.1800, 0.3522, 0.3603



64.1800, 0.3375, 0.3677

Triad

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



64.1800, 0.3522, 0.3603



64.1800, 0.2786, 0.3300



64.1800, 0.3077, 0.2968

Complementary

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



64.1800, 0.3522, 0.3603



57.4170, 0.2767, 0.2955

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.



64.1800, 0.2876, 0.2923



64.1800, 0.3522, 0.3603



64.1800, 0.2712, 0.3105

Square

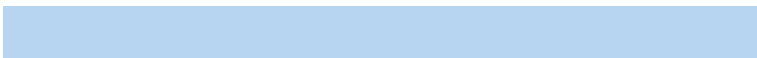
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.1800, 0.3522, 0.3603



64.1800, 0.2950, 0.3501



64.1800, 0.2744, 0.2970



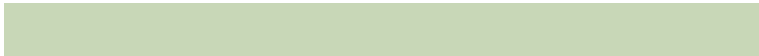
64.1800, 0.3299, 0.3092

Rectangle

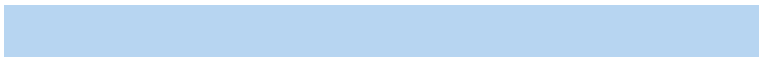
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.1800, 0.3522, 0.3603



64.1800, 0.3238, 0.3666



64.1800, 0.2744, 0.2970



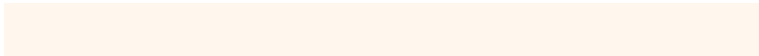
64.1800, 0.3005, 0.2943

Sweetspot

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



64.1829, 0.3522, 0.3603



93.7613, 0.3238, 0.3384



52.9467, 0.3379, 0.3020



19.9569, 0.3248, 0.3392



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.



64.1829, 0.3522, 0.3603



77.7142, 0.3615, 0.3669



76.3323, 0.3455, 0.3855



15.6476, 0.3279, 0.3417



17.9181, 0.5291, 0.4181



1.5095, 0.5087, 0.4343

Inverse Universe

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



57.4170, 0.2767, 0.2955



67.7751, 0.2691, 0.2878



47.2360, 0.2757, 0.2660



14.9774, 0.2981, 0.3160



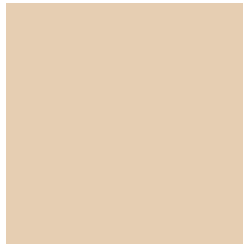
9.3214, 0.1738, 0.1455



0.8730, 0.1815, 0.1732

Previews

White Background



This preview shows how the Yxy color 64.1800, 0.3522, 0.3603 looks on a white background.

Color Contrast Check

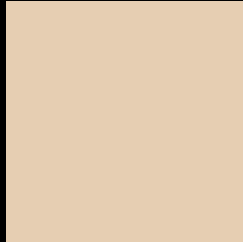
Large Text (above 18pt) WCAG AA × Fail

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 64.1800, 0.3522, 0.3603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

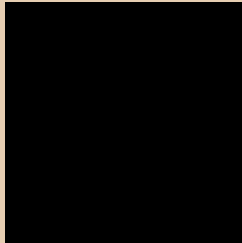
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.1800, 0.3522, 0.3603

Background



This preview shows how black text looks on a background with the Yxy color 64.1800, 0.3522, 0.3603.



This preview shows how white text looks on a background with the Yxy color 64.1800, 0.3522, 0.3603.

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

64.1800, 0.3522, 0.3603

Protanopia

64.1119, 0.3421, 0.3622

Deuteranopia

64.1965, 0.3614, 0.3541



Tritanopia

64.3933, 0.3282, 0.3129

Trichromacy



Original Color

64.1800, 0.3522, 0.3603

Protanomaly

64.2137, 0.3462, 0.3619

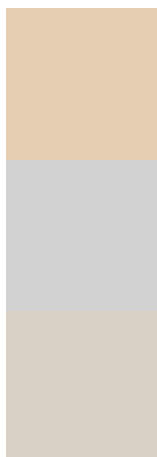
Deuteranomaly

63.9711, 0.3579, 0.3554

Tritanomaly

64.2998, 0.3369, 0.3302

Monochromacy



Original Color

64.1800, 0.3522, 0.3603

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.4299, 0.3266, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1800, 0.3522, 0.3603 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(230, 206, 178)` looks like.

```
.text, #text, p{  
  color:rgb(230, 206, 178)  
}
```

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(230, 206, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 206, 178) }
```

Border

The CSS property to change the border of an element to Yxy 64.1800, 0.3522, 0.3603 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(230, 206, 178) }
```

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

```
.border{ border-color:rgb(230, 206, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 206, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 206, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 206, 178);  
box-shadow:4px 4px 4px 4px rgb(230, 206,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1800, 0.3522, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 206, 178) }
```

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

```
.background{ background-color: rgb(230,  
206, 178) }
```

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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