

Converting Colors

$Y_{xy}(64.6205, 0.3539, 0.3729)$

Have a look what the booklet for
Yxy(64.6205, 0.3539, 0.3729)
contains.

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Color

Yxy(64.6720, 0.3543, 0.3730)

Conversions

Conversions Part 1

Format	Color
Hex	E2D1AA
RGB	226, 209, 170
RGB Percent	89%, 82%, 67%
CMY	0.1136, 0.1804, 0.3333
CMYK	0.00, 0.08, 0.25, 0.11
HSL	42°, 49%, 78%
HSV	42°, 25%, 89%
XYZ	61.4297, 64.6720, 47.2816
YIQ	209.6370, 22.6510, -8.5250

Conversions

Conversions Part 2

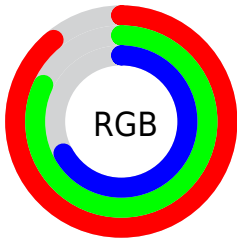
Format	Color
RYB	194, 226, 170
Decimal	14864810
CIELab	84.31, -0.09, 21.50
CIElCh	84, 21.504, 90.244
Yxy	64.6720, 0.3543, 0.3730
Android (android.graphics.Color)	4293054890 (0xFFE2D1AA)
YUV	209.6370, -19.5410, 14.3504
Hunter-Lab	80.4189, -4.3820, 21.4342

Details

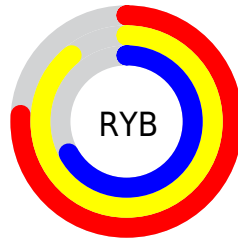
The Yxy color **64.6720, 0.3543, 0.3730** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.6063, 0.2722, 0.2807**, and the grayscale version is **64.3227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **33.2967, 0.3638, 0.3837** is the 20% darker color. If you saturate the color by 10%, you get **60.5896, 0.3735, 0.3913**, and if you desaturate by 10%, it is **69.0530, 0.3364, 0.3548**.

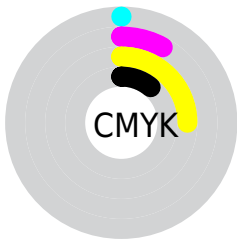
Distribution



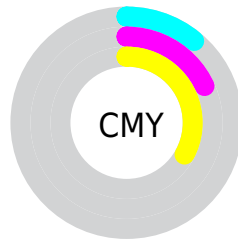
- Red (89%)
- Green (82%)
- Blue (67%)



- Red (76%)
- Yellow (89%)
- Blue (67%)



- Cyan (0%)
- Magenta (8%)
- Yellow (25%)
- Black (11%)




- Cyan (11%)
- Magenta (18%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6720, 0.3543, 0.3730 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 64.6720, 0.3543, 0.3730 by changing the saturation by 10% instead.


 64.6720, 0.3543,
0.3730

 64.6720, 0.3543,
0.3730


441.6123, 0.3347,
0.3523

 47.1952, 0.3588,
0.3778


 111.5782, 0.3475,
0.3658

 33.1900, 0.3644,
0.3837


141.7763, 0.3448,
0.3630

 22.2720, 0.3716,
0.3913


176.9836, 0.3425,
0.3605

 14.0569, 0.3809,
0.4011

217.5846, 0.3406,
0.3585

 8.1603, 0.3935,
0.4145

263.9635, 0.3388,
0.3566

 4.1977, 0.4112,
0.4333

316.5049, 0.3373,

 1.7847, 0.4576,

0.3550

0.4824

375.5930, 0.3359,
0.3536

0.4776, 0.4861,
0.5139

0.0000, 0.0000,
0.0000

64.6720, 0.3543,
0.3730

64.6720, 0.3543,
0.3730

60.5896, 0.3735,
0.3913

69.0530, 0.3364,
0.3548

56.7878, 0.3935,
0.4090

73.7326, 0.3200,
0.3371

53.2593, 0.4138,
0.4251

78.7220, 0.3052,
0.3204

49.9932, 0.4337,
0.4386

83.6744, 0.2949,
0.3101

46.9776, 0.4520,
0.4483

87.7223, 0.2950,
0.3172

44.1984, 0.4680,
0.4534

91.9244, 0.2951,
0.3242

41.6394, 0.4808,
0.4533

94.9148, 0.2952,
0.3289

40.3792, 0.4866,
0.4519

Harmonies

Analogous

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



64.6720, 0.3658, 0.3577



64.6720, 0.3543, 0.3730



64.6720, 0.3317, 0.3766

Triad

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



64.6720, 0.3543, 0.3730



64.6720, 0.2654, 0.3185



64.6720, 0.3190, 0.2957

Complementary

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



64.6720, 0.3543, 0.3730



49.6063, 0.2722, 0.2807

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.



64.6720, 0.2923, 0.2855



64.6720, 0.3543, 0.3730



64.6720, 0.2622, 0.2974

Square

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



64.6720, 0.3543, 0.3730



64.6720, 0.2806, 0.3441



64.6720, 0.2718, 0.2858



64.6720, 0.3450, 0.3138

Rectangle

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



64.6720, 0.3543, 0.3730



64.6720, 0.3138, 0.3711



64.6720, 0.2718, 0.2858



64.6720, 0.3098, 0.2913

Sweetspot

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



64.6749, 0.3543, 0.3730



95.4870, 0.3236, 0.3411



48.5498, 0.3485, 0.3087



20.3569, 0.3246, 0.3421



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.



64.6749, 0.3543, 0.3730



82.0533, 0.3645, 0.3830



71.8791, 0.3423, 0.3924



15.2888, 0.3275, 0.3452



23.2464, 0.4852, 0.4529



1.7669, 0.4726, 0.4629

Inverse Universe

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



49.6063, 0.2722, 0.2807



58.8796, 0.2625, 0.2684



43.9854, 0.2781, 0.2603



13.9199, 0.2981, 0.3122



5.7275, 0.1615, 0.1013



0.5515, 0.1700, 0.1321

Previews

White Background



This preview shows how the Yxy color 64.6720, 0.3543, 0.3730 looks on a white background.

Color Contrast Check

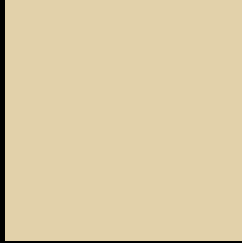
Large Text (above 18pt) WCAG AA × Fail

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 64.6720, 0.3543, 0.3730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

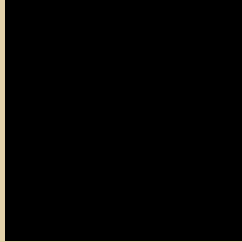
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.6720, 0.3543, 0.3730

Background



This preview shows how black text looks on a background with the Yxy color 64.6720, 0.3543, 0.3730.



This preview shows how white text looks on a background with the Yxy color 64.6720, 0.3543, 0.3730.

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

64.6720, 0.3543, 0.3730

Protanopia

64.6834, 0.3516, 0.3745

Deuteranopia

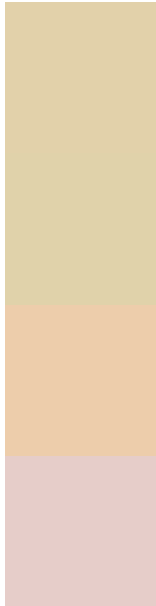
64.4144, 0.3702, 0.3625



Tritanopia

64.4588, 0.3243, 0.3118

Trichromacy



Original Color

64.6720, 0.3543, 0.3730

Protanomaly

64.8428, 0.3524, 0.3743

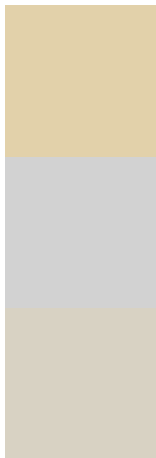
Deuteranomaly

64.6074, 0.3636, 0.3664

Tritanomaly

64.7027, 0.3350, 0.3335

Monochromacy



Original Color

64.6720, 0.3543, 0.3730

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.6322, 0.3278, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6720, 0.3543, 0.3730 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(226, 209, 170)` looks like.

```
.text, #text, p{  
    color:rgb(226, 209, 170)  
}
```

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(226, 209, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 209, 170) }
```

Border

The CSS property to change the border of an element to Yxy 64.6720, 0.3543, 0.3730 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(226, 209, 170) }
```

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

```
.border{ border-color:rgb(226, 209, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 209, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 209, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 209, 170); box-shadow:4px 4px 4px 4px rgb(226, 209, 170) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6720, 0.3543, 0.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 209, 170) }
```

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

```
.background{ background-color: rgb(226,  
209, 170) }
```

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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