

Converting Colors

$Y_{xy}(72.0333, 0.3204, 0.3195)$

Have a look what the booklet for
Yxy(72.0333, 0.3204, 0.3195)
contains.

Yxy(72.2101, 0.3204, 0.3196)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.2101, 0.3204, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	EBD8E1
RGB	235, 216, 225
RGB Percent	92%, 85%, 88%
CMY	0.0786, 0.1528, 0.1177
CMYK	0.00, 0.08, 0.04, 0.08
HSL	332°, 32%, 88%
HSV	332°, 8%, 92%
XYZ	72.3909, 72.2101, 81.3380
YIQ	222.7070, 8.4350, 6.8270

Conversions

Conversions Part 2

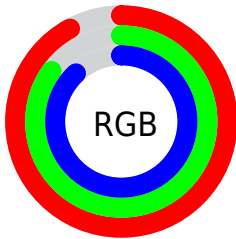
Format	Color
R _Y B	235, 216, 225
Decimal	15456481
CIE Lab	88.07, 8.04, -2.04
CIE LCh	88, 8.296, 345.758
Yxy	72.2101, 0.3204, 0.3196
Android (android.graphics.Color)	4293646561 (0xFFE8D8E1)
YUV	222.7070, 1.1304, 10.7810
Hunter-Lab	84.9765, 3.3539, 2.7322

Details

The Yxy color $72.2101, 0.3204, 0.3196$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $79.4792, 0.3056, 0.3386$, and the grayscale version is $73.5572, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.9757, 0.3219, 0.3167$ is the 20% darker color. If you saturate the color by 10%, you get $60.3698, 0.3318, 0.3073$, and if you desaturate by 10%, it is $85.8269, 0.3110, 0.3312$.

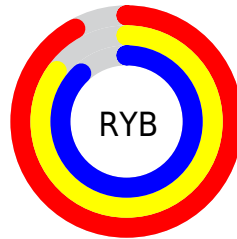
Distribution



Red (92%)

Green (85%)

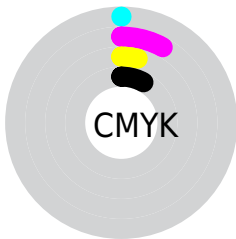
Blue (88%)



Red (92%)

Yellow (85%)

Blue (88%)

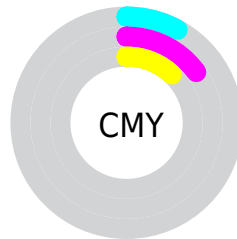


Cyan (0%)

Magenta (8%)

Yellow (4%)

Black (8%)



Cyan (8%)


Magenta (15%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2101, 0.3204, 0.3196 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 72.2101, 0.3204, 0.3196 by changing the saturation by 10% instead.

 72.2101, 0.3204,
0.3196

 72.2101, 0.3204,
0.3196

468.2726, 0.3169,
0.3239

 53.3303, 0.3212,
0.3186


122.3552, 0.3192,
0.3211

 38.0665, 0.3222,
0.3174


154.3893, 0.3187,
0.3217

 26.0343, 0.3235,
0.3159

191.5770, 0.3183,
0.3222

 16.8493, 0.3251,
0.3139

234.3026, 0.3179,
0.3226

 10.1271, 0.3274,
0.3111

282.9506, 0.3176,
0.3230

 5.4833, 0.3306,
0.3072

337.9053, 0.3173,

 2.5335, 0.3358,

0.3234

0.3011

399.5511, 0.3171,
0.3237

0.8934, 0.3450,
0.2901

0.0000, 0.0000,
0.0000

72.2101, 0.3204,
0.3196

72.2101, 0.3204,
0.3196

60.3698, 0.3318,
0.3073

85.8269, 0.3110,
0.3312

50.2229, 0.3454,
0.2946

96.0586, 0.3034,
0.3342

41.6936, 0.3618,
0.2819

96.3929, 0.3005,
0.3290

34.6967, 0.3810,
0.2698

■ 29.1391, 0.4031,
0.2594

■ 24.9173, 0.4277,
0.2518

■ 21.9140, 0.4539,
0.2483

■ 19.9911, 0.4805,
0.2500

■ 18.9567, 0.5059,
0.2571

Harmonies

Analogous

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



72.2101, 0.3103, 0.3138



72.2101, 0.3204, 0.3196



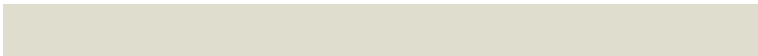
72.2101, 0.3285, 0.3278

Triad

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



72.2101, 0.3204, 0.3196



72.2101, 0.3244, 0.3465



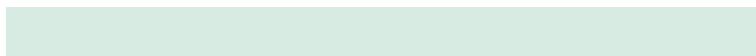
72.2101, 0.2935, 0.3210

Complementary

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



72.2101, 0.3204, 0.3196



79.4792, 0.3056, 0.3386

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.



72.2101, 0.2971, 0.3299



72.2101, 0.3204, 0.3196



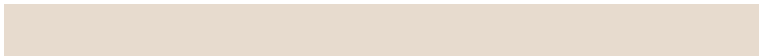
72.2101, 0.3149, 0.3448

Square

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



72.2101, 0.3204, 0.3196



72.2101, 0.3308, 0.3434



72.2101, 0.3049, 0.3387



72.2101, 0.2949, 0.3145

Rectangle

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



72.2101, 0.3204, 0.3196



72.2101, 0.3317, 0.3337



72.2101, 0.3049, 0.3387



72.2101, 0.2942, 0.3239

Sweetspot

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



72.2132, 0.3204, 0.3196



96.6172, 0.3145, 0.3267



71.2571, 0.3071, 0.3089



20.7155, 0.3144, 0.3268



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.



72.2132, 0.3204, 0.3196



83.9602, 0.3225, 0.3172



71.8994, 0.3266, 0.3294



15.1727, 0.3219, 0.3179



10.4959, 0.5070, 0.2567



0.8435, 0.4745, 0.2388

Inverse Universe

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



72.2132, 0.3204, 0.3196



83.9602, 0.3225, 0.3172



79.8031, 0.3003, 0.3286



15.1727, 0.3219, 0.3179



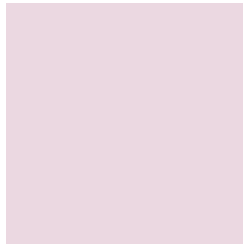
10.4959, 0.5070, 0.2567



0.8435, 0.4745, 0.2388

Previews

White Background



This preview shows how the Yxy color 72.2101, 0.3204, 0.3196 looks on a white background.

Color Contrast Check

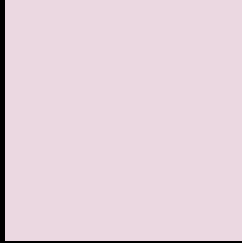
Large Text (above 18pt) WCAG AA × Fail

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 72.2101, 0.3204, 0.3196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

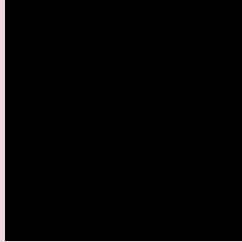
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

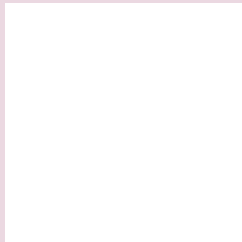
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2101, 0.3204, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 72.2101, 0.3204, 0.3196.

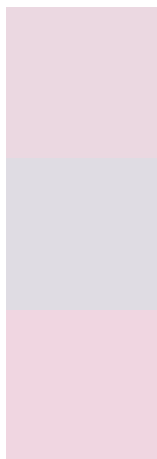


This preview shows how white text looks on a background with the Yxy color 72.2101, 0.3204, 0.3196.

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

72.2101, 0.3204, 0.3196

Protanopia

72.4204, 0.3102, 0.3215

Deuteranopia

72.0546, 0.3243, 0.3176



Tritanopia

72.2599, 0.3164, 0.3113

Trichromacy



Original Color

72.2101, 0.3204, 0.3196

Protanomaly

72.4849, 0.3138, 0.3215

Deuteranomaly

72.2143, 0.3227, 0.3186

Tritanomaly

72.0909, 0.3185, 0.3144

Monochromacy



Original Color

72.2101, 0.3204, 0.3196

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

72.8991, 0.3151, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2101, 0.3204, 0.3196 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(235, 216, 225)` looks like.

```
.text, #text, p{  
    color:rgb(235, 216, 225)  
}
```

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(235, 216, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 216, 225) }
```

Border

The CSS property to change the border of an element to Yxy 72.2101, 0.3204, 0.3196 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(235, 216, 225) }
```

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

```
.border{ border-color:rgb(235, 216, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 216, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 216, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 216, 225); box-shadow:4px 4px 4px 4px rgb(235, 216, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2101, 0.3204, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 216, 225) }
```

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

```
.background{ background-color: rgb(235,  
216, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor