

Converting Colors

Yxy(68.0344, 0.3295, 0.3508)

Have a look what the booklet for
Yxy(68.0344, 0.3295, 0.3508)
contains.

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Color

Yxy(67.8020, 0.3296, 0.3503)

Conversions

Conversions Part 1

Format	Color
Hex	DCD7C4
RGB	220, 215, 196
RGB Percent	86%, 84%, 77%
CMY	0.1370, 0.1569, 0.2313
CMYK	0.00, 0.02, 0.11, 0.14
HSL	47°, 26%, 82%
HSV	47°, 11%, 86%
XYZ	63.7954, 67.8020, 61.9567
YIQ	214.3290, 9.0790, -4.8490

Conversions

Conversions Part 2

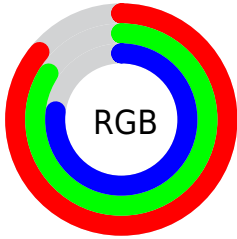
Format	Color
RYB	202, 220, 196
Decimal	14473156
CIELab	85.91, -1.48, 9.97
CIELCh	86, 10.079, 98.432
Yxy	67.8020, 0.3296, 0.3503
Android (android.graphics.Color)	4292663236 (0xFFDCD7C4)
YUV	214.3290, -9.0362, 4.9735
Hunter-Lab	82.3420, -5.8034, 13.0277

Details

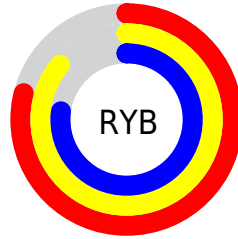
The Yxy color **67.8020, 0.3296, 0.3503** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.7272, 0.2957, 0.3068**, and the grayscale version is **67.5435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **35.0939, 0.3341, 0.3556** is the 20% darker color. If you saturate the color by 10%, you get **64.5403, 0.3462, 0.3706**, and if you desaturate by 10%, it is **71.2840, 0.3141, 0.3308**.

Distribution



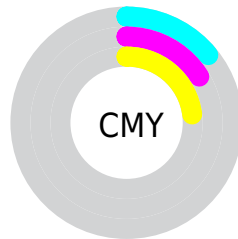
- Red (86%)
- Green (84%)
- Blue (77%)



- Red (79%)
- Yellow (86%)
- Blue (77%)



- Cyan (0%)
- Magenta (2%)
- Yellow (11%)
- Black (14%)



- Cyan (14%)
- Magenta (16%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8020, 0.3296, 0.3503 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 67.8020, 0.3296, 0.3503 by changing the saturation by 10% instead.

■ 67.8020, 0.3296,
0.3503

■ 67.8020, 0.3296,
0.3503

452.7942, 0.3217,
0.3403

■ 49.7367, 0.3314,
0.3526

116.0688, 0.3268,
0.3468

■ 35.2042, 0.3337,
0.3555

147.0391, 0.3258,
0.3454

■ 23.8202, 0.3366,
0.3592

183.0799, 0.3249,
0.3443

■ 15.2003, 0.3404,
0.3642

224.5755, 0.3241,
0.3433

■ 8.9601, 0.3456,
0.3710

271.9103, 0.3234,
0.3424

■ 4.7152, 0.3533,
0.3810

325.4688, 0.3227,

■ 2.0811, 0.3655,

0.3416

0.3972

385.6353, 0.3222,
0.3409

0.6540, 0.4667,
0.5213

0.0000, 0.0000,
0.0000

67.8020, 0.3296,
0.3503

67.8020, 0.3296,
0.3503

64.5403, 0.3462,
0.3706

71.2840, 0.3141,
0.3308

61.4830, 0.3638,
0.3910

74.9839, 0.2998,
0.3123

58.6257, 0.3818,
0.4110

78.4494, 0.2909,
0.3020

55.9605, 0.3997,
0.4296

81.0568, 0.2911,
0.3069

■ 53.4786, 0.4168,
0.4458

■ 83.7337, 0.2912,
0.3117

■ 51.1704, 0.4323,
0.4585

■ 86.4805, 0.2914,
0.3166

■ 49.0248, 0.4455,
0.4670

■ 89.2979, 0.2915,
0.3214

■ 47.0290, 0.4558,
0.4707

■ 92.1863, 0.2917,
0.3261

■ 45.3284, 0.4629,
0.4706

■ 93.9661, 0.2918,
0.3289

Harmonies

Analogous

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



67.8020, 0.3363, 0.3450



67.8020, 0.3296, 0.3503



67.8020, 0.3184, 0.3498

Triad

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



67.8020, 0.3296, 0.3503



67.8020, 0.2895, 0.3216



67.8020, 0.3193, 0.3153

Complementary

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



67.8020, 0.3296, 0.3503



58.7272, 0.2957, 0.3068

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.



67.8020, 0.3067, 0.3092



67.8020, 0.3296, 0.3503



67.8020, 0.2896, 0.3126

Square

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



67.8020, 0.3296, 0.3503



67.8020, 0.2954, 0.3329



67.8020, 0.2959, 0.3082



67.8020, 0.3303, 0.3249

Rectangle

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



67.8020, 0.3296, 0.3503



67.8020, 0.3100, 0.3461



67.8020, 0.2959, 0.3082



67.8020, 0.3151, 0.3128

Sweetspot

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



67.8050, 0.3296, 0.3503



98.4899, 0.3172, 0.3348



58.9400, 0.3281, 0.3231



20.9955, 0.3185, 0.3363



0.0000, 0.0000, 0.0000



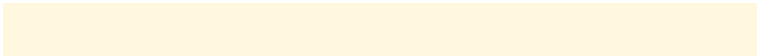
21.4041, 0.3127, 0.3290

Same Dimension

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



67.8050, 0.3296, 0.3503



93.6572, 0.3331, 0.3547



69.3917, 0.3239, 0.3563



14.7723, 0.3272, 0.3473



26.7516, 0.4621, 0.4713



1.8524, 0.4538, 0.4779

Inverse Universe

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



58.7272, 0.2957, 0.3068



78.6847, 0.2921, 0.3020



57.3296, 0.3007, 0.3011



13.0609, 0.2981, 0.3100



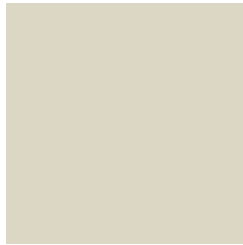
4.3338, 0.1562, 0.0822



0.4070, 0.1645, 0.1123

Previews

White Background



This preview shows how the Yxy color 67.8020, 0.3296, 0.3503 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 67.8020, 0.3296, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

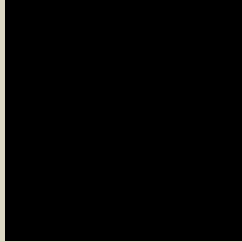
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

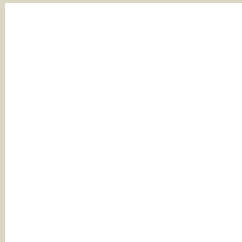
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8020, 0.3296, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 67.8020, 0.3296, 0.3503.



This preview shows how white text looks on a background with the Yxy color 67.8020, 0.3296, 0.3503.

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

67.8020, 0.3296, 0.3503

Protanopia

67.7666, 0.3320, 0.3491

Deuteranopia

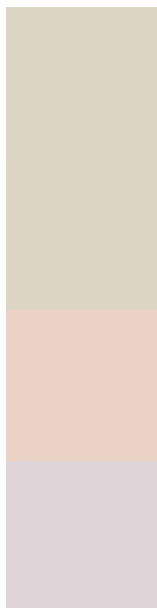
67.5801, 0.3464, 0.3387



Tritanopia

67.4865, 0.3114, 0.3106

Trichromacy



Original Color

67.8020, 0.3296, 0.3503

Protanomaly

67.6083, 0.3312, 0.3491

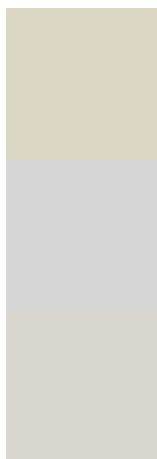
Deuteranomaly

67.6168, 0.3404, 0.3432

Tritanomaly

67.7328, 0.3181, 0.3246

Monochromacy



Original Color

67.8020, 0.3296, 0.3503

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.1971, 0.3190, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8020, 0.3296, 0.3503 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(220, 215, 196)` looks like.

```
.text, #text, p{  
    color:rgb(220, 215, 196)  
}
```

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(220, 215, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 215, 196) }
```

Border

The CSS property to change the border of an element to Yxy 67.8020, 0.3296, 0.3503 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(220, 215, 196) }
```

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

```
.border{ border-color:rgb(220, 215, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 215, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 215, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 215, 196);  
box-shadow:4px 4px 4px 4px rgb(220, 215,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8020, 0.3296, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 215, 196) }
```

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

```
.background{ background-color: rgb(220,  
215, 196) }
```

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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