

Converting Colors

$Yxy(75.8791, 0.3196, 0.3653)$

Have a look what the booklet for
Yxy(75.8791, 0.3196, 0.3653)
contains.

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Color

Yxy(75.8338, 0.3199, 0.3658)

Conversions

Conversions Part 1

Format	Color
Hex	D4E8C7
RGB	212, 232, 199
RGB Percent	83%, 91%, 78%
CMY	0.1685, 0.0902, 0.2197
CMYK	0.09, 0.00, 0.14, 0.09
HSL	96°, 42%, 85%
HSV	96°, 14%, 91%
XYZ	66.3183, 75.8338, 65.1574
YIQ	222.2580, -1.3270, -14.5030

Conversions

Conversions Part 2

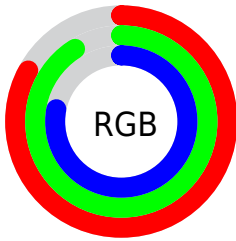
Format	Color
RYB	199, 232, 219
Decimal	13953223
CIELab	89.78, -12.48, 13.84
CIELCh	90, 18.642, 132.039
Yxy	75.8338, 0.3199, 0.3658
Android (android.graphics.Color)	4292143303 (0xFFD4E8C7)
YUV	222.2580, -11.4662, -8.9963
Hunter-Lab	87.0826, -16.4568, 16.5956

Details

The Yxy color **75.8338, 0.3199, 0.3658** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.7139, 0.3045, 0.2928**, and the grayscale version is **73.3247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.2631, 0.3212, 0.3744** is the 20% darker color. If you saturate the color by 10%, you get **72.8440, 0.3247, 0.3945**, and if you desaturate by 10%, it is **79.1758, 0.3149, 0.3394**.

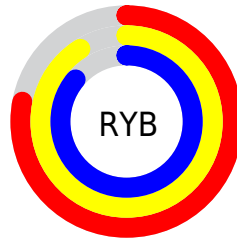
Distribution



Red (83%)

Green (91%)

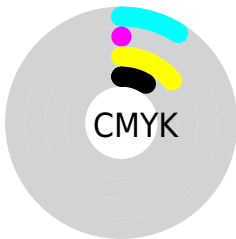
Blue (78%)



Red (78%)

Yellow (91%)

Blue (86%)

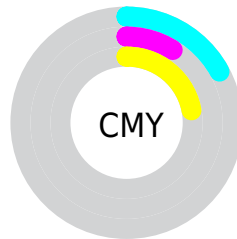


Cyan (9%)

Magenta (0%)

Yellow (14%)

Black (9%)



Cyan (17%)


Magenta (9%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8338, 0.3199, 0.3658 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 75.8338, 0.3199, 0.3658 by changing the saturation by 10% instead.

 75.8338, 0.3199,
0.3658

 75.8338, 0.3199,
0.3658


480.7786, 0.3168,
0.3485

 56.2962, 0.3206,
0.3698


127.4919, 0.3189,
0.3598

 40.4405, 0.3213,
0.3748


160.3813, 0.3184,
0.3574

 27.8822, 0.3223,
0.3811

198.4901, 0.3181,
0.3554

 18.2368, 0.3235,
0.3895

242.2026, 0.3178,
0.3537

 11.1202, 0.3249,
0.4011

291.9034, 0.3175,
0.3522

 6.1477, 0.3266,
0.4181

347.9767, 0.3172,

 2.9351, 0.3285,

0.3508

0.4453

410.8069, 0.3170,
0.3496

■ 1.0979, 0.3563,
0.5399

■ 0.0000, 0.0000,
0.0000

■ 75.8338, 0.3199,
0.3658

■ 75.8338, 0.3199,
0.3658

■ 72.8440, 0.3247,
0.3945

■ 79.1758, 0.3149,
0.3394

■ 70.1846, 0.3290,
0.4250

■ 82.8714, 0.3098,
0.3155

■ 67.8461, 0.3324,
0.4564

■ 86.0295, 0.3132,
0.3068

■ 65.8147, 0.3345,
0.4876

■ 86.1947, 0.3138,
0.3068

■ 64.0757, 0.3351,
0.5168

■ 62.6128, 0.3338,
0.5423

■ 61.4077, 0.3306,
0.5625

■ 60.4390, 0.3258,
0.5764

■ 59.9719, 0.3226,
0.5821

Harmonies

Analogous

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



75.8338, 0.3405, 0.3676



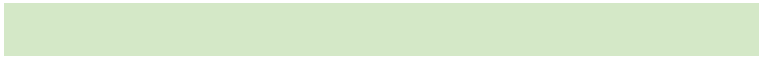
75.8338, 0.3199, 0.3658



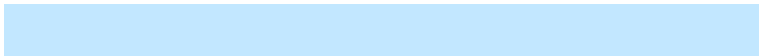
75.8338, 0.2979, 0.3530

Triad

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



75.8338, 0.3199, 0.3658



75.8338, 0.2729, 0.2982



75.8338, 0.3460, 0.3236

Complementary

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



75.8338, 0.3199, 0.3658



61.7139, 0.3045, 0.2928

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.



75.8338, 0.3268, 0.3067



75.8338, 0.3199, 0.3658



75.8338, 0.2847, 0.2920

Square

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



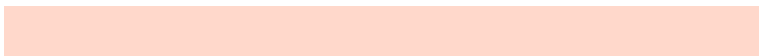
75.8338, 0.3199, 0.3658



75.8338, 0.2712, 0.3130



75.8338, 0.3043, 0.2953



75.8338, 0.3561, 0.3425

Rectangle

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



75.8338, 0.3199, 0.3658



75.8338, 0.2853, 0.3402



75.8338, 0.3043, 0.2953



75.8338, 0.3404, 0.3176

Sweetspot

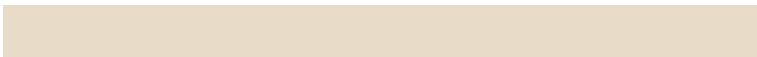
The Sweet Spot groups the original color and five complimentary colors.



75.8371, 0.3199, 0.3658



98.2087, 0.3148, 0.3389



71.8325, 0.3360, 0.3505



20.9503, 0.3151, 0.3408



0.0000, 0.0000, 0.0000



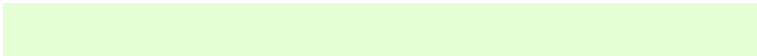
21.4041, 0.3127, 0.3290

Same Dimension

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



75.8371, 0.3199, 0.3658



92.8767, 0.3213, 0.3738



74.1305, 0.3089, 0.3629



16.3654, 0.3175, 0.3529



33.3614, 0.3237, 0.5812



2.5179, 0.3352, 0.5721

Inverse Universe

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



61.7139, 0.3045, 0.2928



72.2878, 0.3026, 0.2851



63.6311, 0.3167, 0.2973



14.3163, 0.3075, 0.3054



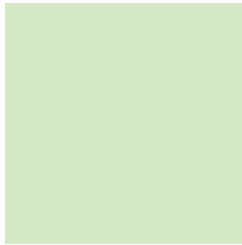
6.4219, 0.2245, 0.1010



0.5281, 0.2384, 0.1087

Previews

White Background



This preview shows how the Yxy color 75.8338, 0.3199, 0.3658 looks on a white background.

Color Contrast Check

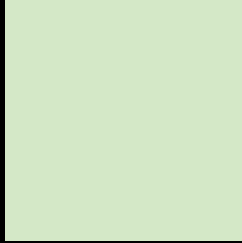
Large Text (above 18pt) WCAG AA × Fail

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 75.8338, 0.3199, 0.3658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

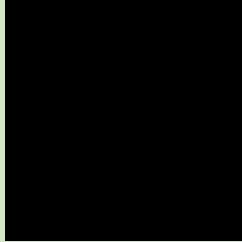
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

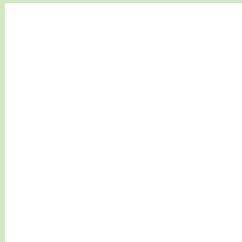
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8338, 0.3199, 0.3658

Background



This preview shows how black text looks on a background with the Yxy color 75.8338, 0.3199, 0.3658.

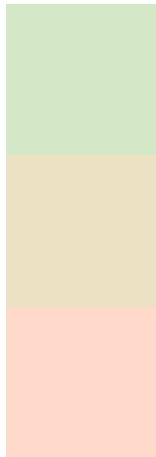


This preview shows how white text looks on a background with the Yxy color 75.8338, 0.3199, 0.3658.

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

75.8338, 0.3199, 0.3658

Protanopia

75.6234, 0.3407, 0.3610

Deuteranopia

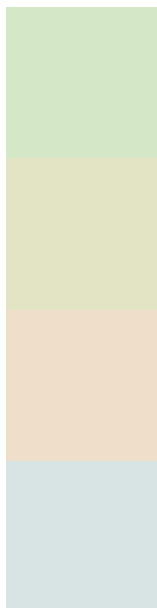
75.7146, 0.3506, 0.3444



Tritanopia

75.9844, 0.2967, 0.3100

Trichromacy



Original Color

75.8338, 0.3199, 0.3658

Protanomaly

75.8032, 0.3330, 0.3638

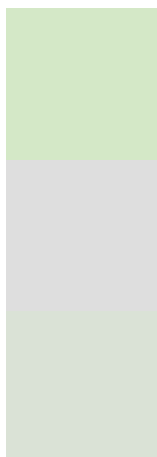
Deuteranomaly

75.3903, 0.3385, 0.3512

Tritanomaly

75.6872, 0.3045, 0.3290

Monochromacy



Original Color

75.8338, 0.3199, 0.3658

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.1532, 0.3149, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8338, 0.3199, 0.3658 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(212, 232, 199)` looks like.

```
.text, #text, p{  
    color:rgb(212, 232, 199)  
}
```

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(212, 232, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 232, 199) }
```

Border

The CSS property to change the border of an element to Yxy 75.8338, 0.3199, 0.3658 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(212, 232, 199) }
```

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

```
.border{ border-color:rgb(212, 232, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 232, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 232, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 232, 199); box-shadow:4px 4px 4px 4px rgb(212, 232, 199) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8338, 0.3199, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 232, 199) }
```

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

```
.background{ background-color: rgb(212,  
232, 199) }
```

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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