

Converting Colors

$Yxy(74.9972, 0.3197, 0.3566)$

Have a look what the booklet for
Yxy(74.9972, 0.3197, 0.3566)
contains.

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Color

Yxy(74.9972, 0.3197, 0.3566)

Conversions

Conversions Part 1

Format	Color
Hex	D8E5CC
RGB	216, 229, 204
RGB Percent	85%, 90%, 80%
CMY	0.1530, 0.1019, 0.1999
CMYK	0.06, 0.00, 0.11, 0.10
HSL	91°, 32%, 85%
HSV	91°, 11%, 90%
XYZ	67.2367, 74.9972, 68.0779
YIQ	222.2630, 0.2770, -10.5310

Conversions

Conversions Part 2

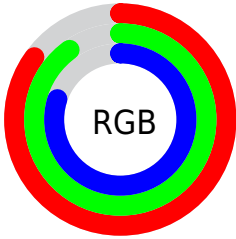
Format	Color
RYB	204, 229, 217
Decimal	14214604
CIELab	89.39, -8.76, 10.69
CIELCh	89, 13.823, 129.340
Yxy	74.9972, 0.3197, 0.3566
Android (android.graphics.Color)	4292404684 (0xFFD8E5CC)
YUV	222.2630, -9.0037, -5.4927
Hunter-Lab	86.6009, -12.9648, 14.0121

Details

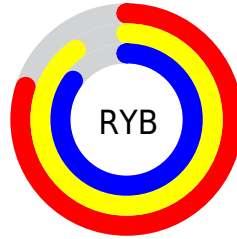
The Yxy color **74.9972, 0.3197, 0.3566** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.6185, 0.3051, 0.3015**, and the grayscale version is **73.3088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.0512, 0.3209, 0.3637** is the 20% darker color. If you saturate the color by 10%, you get **72.2279, 0.3260, 0.3842**, and if you desaturate by 10%, it is **78.0668, 0.3133, 0.3312**.

Distribution



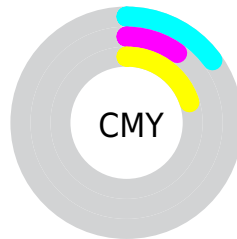
- Red (85%)
- Green (90%)
- Blue (80%)



- Red (80%)
- Yellow (90%)
- Blue (85%)



- Cyan (6%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)



- Cyan (15%)
- Magenta (10%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.9972, 0.3197, 0.3566 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 74.9972, 0.3197, 0.3566 by changing the saturation by 10% instead.


 74.9972, 0.3197,
0.3566

 74.9972, 0.3197,
0.3566


477.9079, 0.3166,
0.3437

 55.6106, 0.3204,
0.3596


126.3084, 0.3186,
0.3521

 39.8908, 0.3212,
0.3633


159.0018, 0.3182,
0.3504

 27.4534, 0.3222,
0.3680


196.8995, 0.3179,
0.3489

 17.9140, 0.3235,
0.3742

240.3861, 0.3175,
0.3476

 10.8883, 0.3252,
0.3828

289.8458, 0.3173,
0.3464

 5.9918, 0.3275,
0.3954

345.6631, 0.3170,

 2.8401, 0.3307,

0.3454

408.2223, 0.3168,
0.3445

0.4155

1.0488, 0.3507,
0.4751

0.0000, 0.0000,
0.0000

74.9972, 0.3197,
0.3566

74.9972, 0.3197,
0.3566

72.2279, 0.3260,
0.3842

78.0668, 0.3133,
0.3312

69.7393, 0.3319,
0.4134

81.4361, 0.3070,
0.3081

67.5241, 0.3370,
0.4437

83.9219, 0.3117,
0.3037

65.5714, 0.3409,
0.4739

84.5226, 0.3139,
0.3039

■ 63.8690, 0.3432,
0.5026

■ 62.4036, 0.3435,
0.5282

■ 61.1604, 0.3417,
0.5492

■ 60.1222, 0.3377,
0.5645

■ 59.3322, 0.3328,
0.5740

Harmonies

Analogous

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



74.9972, 0.3347, 0.3574



74.9972, 0.3197, 0.3566



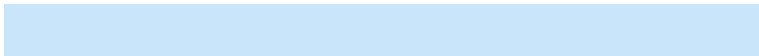
74.9972, 0.3031, 0.3478

Triad

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



74.9972, 0.3197, 0.3566



74.9972, 0.2824, 0.3069



74.9972, 0.3364, 0.3239

Complementary

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



74.9972, 0.3197, 0.3566



63.6185, 0.3051, 0.3015

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.



74.9972, 0.3218, 0.3112



74.9972, 0.3197, 0.3566



74.9972, 0.2908, 0.3014

Square

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



74.9972, 0.3197, 0.3566



74.9972, 0.2819, 0.3186



74.9972, 0.3051, 0.3031



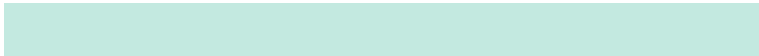
74.9972, 0.3446, 0.3381

Rectangle

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



74.9972, 0.3197, 0.3566



74.9972, 0.2934, 0.3387



74.9972, 0.3051, 0.3031



74.9972, 0.3321, 0.3193

Sweetspot

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



75.0004, 0.3197, 0.3566



98.7684, 0.3146, 0.3364



70.6130, 0.3305, 0.3431



21.0713, 0.3152, 0.3384



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.



75.0004, 0.3197, 0.3566



94.9138, 0.3211, 0.3624



73.2657, 0.3111, 0.3568



16.4258, 0.3188, 0.3528



33.9916, 0.3339, 0.5731



2.5669, 0.3451, 0.5642

Inverse Universe

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



63.6185, 0.3051, 0.3015



77.7570, 0.3034, 0.2957



65.4945, 0.3143, 0.3027



14.2550, 0.3062, 0.3053



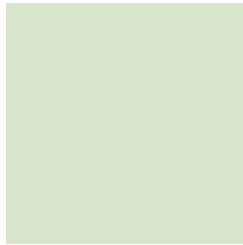
5.5653, 0.2068, 0.0913



0.4665, 0.2223, 0.0998

Previews

White Background



This preview shows how the Yxy color 74.9972, 0.3197, 0.3566 looks on a white background.

Color Contrast Check

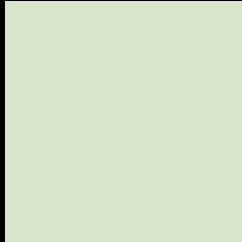
Large Text (above 18pt) WCAG AA × Fail

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 74.9972, 0.3197, 0.3566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

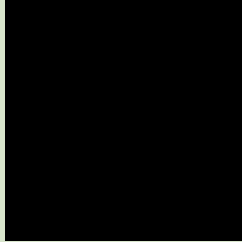
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

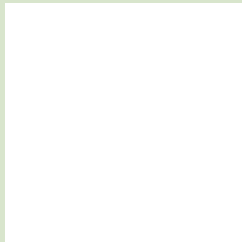
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.9972, 0.3197, 0.3566

Background



This preview shows how black text looks on a background with the Yxy color 74.9972, 0.3197, 0.3566.

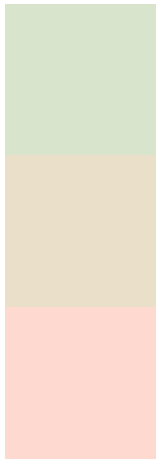


This preview shows how white text looks on a background with the Yxy color 74.9972, 0.3197, 0.3566.

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

74.9972, 0.3197, 0.3566

Protanopia

75.0208, 0.3353, 0.3536

Deuteranopia

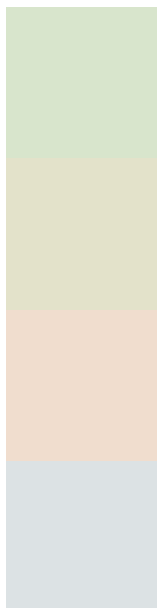
75.0133, 0.3464, 0.3393



Tritanopia

75.1918, 0.3005, 0.3110

Trichromacy



Original Color

74.9972, 0.3197, 0.3566

Protanomaly

74.9879, 0.3292, 0.3550

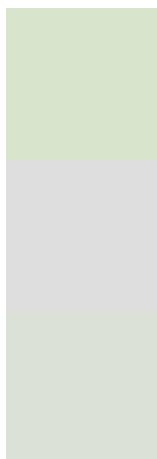
Deuteranomaly

74.6944, 0.3367, 0.3449

Tritanomaly

75.2098, 0.3073, 0.3268

Monochromacy



Original Color

74.9972, 0.3197, 0.3566

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.9724, 0.3157, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9972, 0.3197, 0.3566 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(216, 229, 204)` looks like.

```
.text, #text, p{  
    color:rgb(216, 229, 204)  
}
```

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(216, 229, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 229, 204) }
```

Border

The CSS property to change the border of an element to Yxy 74.9972, 0.3197, 0.3566 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(216, 229, 204) }
```

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

```
.border{ border-color:rgb(216, 229, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 229, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 229, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 229, 204);  
box-shadow:4px 4px 4px 4px rgb(216, 229,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9972, 0.3197, 0.3566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 229, 204) }
```

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

```
.background{ background-color: rgb(216,  
229, 204) }
```

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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