

Converting Colors

$Yxy(72.6335, 0.3372, 0.4075)$

Have a look what the booklet for
Yxy(72.6335, 0.3372, 0.4075)
contains.

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Color

Yxy(72.6335, 0.3372, 0.4075)

Conversions

Conversions Part 1

Format	Color
Hex	CCE7A3
RGB	204, 231, 163
RGB Percent	80%, 91%, 64%
CMY	0.1997, 0.0942, 0.3608
CMYK	0.12, 0.00, 0.29, 0.09
HSL	84°, 59%, 77%
HSV	84°, 29%, 91%
XYZ	60.1031, 72.6335, 45.5051
YIQ	215.1750, 5.7360, -26.8720

Conversions

Conversions Part 2

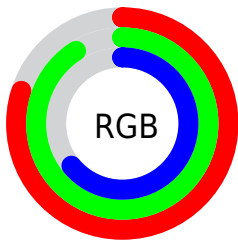
Format	Color
RYB	163, 231, 190
Decimal	13428643
CIELab	88.27, -20.29, 30.25
CIElCh	88, 36.423, 123.848
Yxy	72.6335, 0.3372, 0.4075
Android (android.graphics.Color)	4291618723 (0xFFCCE7A3)
YUV	215.1750, -25.7223, -9.8005
Hunter-Lab	85.2253, -23.2614, 28.0005

Details

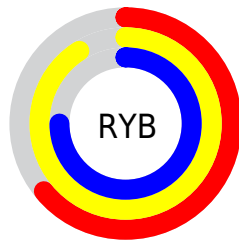
The Yxy color **72.6335, 0.3372, 0.4075** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **42.9038, 0.2818, 0.2481**, and the grayscale version is **68.2640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **38.1972, 0.3415, 0.4264** is the 20% darker color. If you saturate the color by 10%, you get **70.6275, 0.3446, 0.4363**, and if you desaturate by 10%, it is **74.8730, 0.3291, 0.3794**.

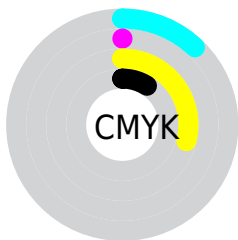
Distribution



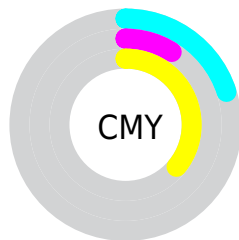
- Red (80%)
- Green (91%)
- Blue (64%)



- Red (64%)
- Yellow (91%)
- Blue (75%)



- Cyan (12%)
- Magenta (0%)
- Yellow (29%)
- Black (9%)





- Cyan (20%)
- Magenta (9%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6335, 0.3372, 0.4075 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 72.6335, 0.3372, 0.4075 by changing the saturation by 10% instead.

 72.6335, 0.3372,
0.4075


 72.6335, 0.3372,
0.4075


469.7436, 0.3267,
0.3700

 53.6763, 0.3393,
0.4163


 122.9568, 0.3338,
0.3943

 38.3430, 0.3418,
0.4273


 155.0917, 0.3324,
0.3892

 26.2490, 0.3446,
0.4413


192.3879, 0.3311,
0.3849

 17.0100, 0.3479,
0.4598

235.2300, 0.3301,
0.3811

 10.2416, 0.3512,
0.4851

284.0022, 0.3291,
0.3778

 5.5595, 0.3537,
0.5214

339.0889, 0.3282,

 2.5791, 0.3711,

0.3749

0.6082

400.8746, 0.3274,
0.3723

0.9162, 0.2906,
0.7094

0.0000, 0.0000,
0.0000

72.6335, 0.3372,
0.4075

72.6335, 0.3372,
0.4075

70.6275, 0.3446,
0.4363

74.8730, 0.3291,
0.3794

68.8359, 0.3508,
0.4647

77.3454, 0.3207,
0.3526

67.2516, 0.3554,
0.4915


80.0621, 0.3122,
0.3276


65.8631, 0.3579,
0.5154


83.0050, 0.3043,
0.3051


 64.6576, 0.3579,
0.5350

 84.6522, 0.3103,
0.3056

 63.6201, 0.3556,
0.5495

 85.6248, 0.3138,
0.3058

 62.7270, 0.3512,
0.5591

 62.6789, 0.3509,
0.5596

Harmonies

Analogous

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



72.6335, 0.3758, 0.4019



72.6335, 0.3372, 0.4075



72.6335, 0.2937, 0.3876

Triad

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



72.6335, 0.3372, 0.4075



72.6335, 0.2335, 0.2740



72.6335, 0.3698, 0.3081

Complementary

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



72.6335, 0.3372, 0.4075



42.9038, 0.2818, 0.2481

Split Complementary

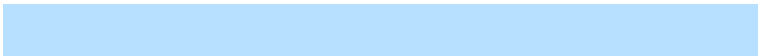
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.6335, 0.3277, 0.2793



72.6335, 0.3372, 0.4075



72.6335, 0.2504, 0.2592

Square

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



72.6335, 0.3372, 0.4075



72.6335, 0.2357, 0.3056



72.6335, 0.2840, 0.2617



72.6335, 0.3963, 0.3430

Rectangle

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



72.6335, 0.3372, 0.4075



72.6335, 0.2678, 0.3626



72.6335, 0.2840, 0.2617



72.6335, 0.3569, 0.2976

Sweetspot

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



72.6367, 0.3372, 0.4075



96.9260, 0.3203, 0.3516



56.0555, 0.3697, 0.3587



20.6449, 0.3216, 0.3554



0.0000, 0.0000, 0.0000



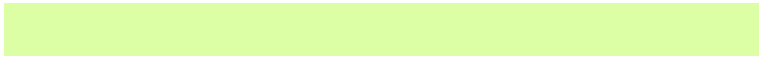
21.4041, 0.3127, 0.3290

Same Dimension

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



72.6367, 0.3372, 0.4075



89.4266, 0.3416, 0.4241



68.4406, 0.3139, 0.4135



16.5176, 0.3207, 0.3526



35.2169, 0.3519, 0.5588



2.6559, 0.3616, 0.5511

Inverse Universe

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



42.9038, 0.2818, 0.2481



46.8317, 0.2742, 0.2304



47.6631, 0.3094, 0.2544



14.1641, 0.3042, 0.3051



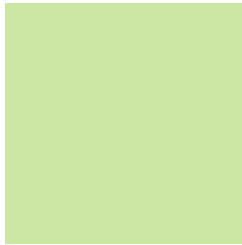
4.5620, 0.1841, 0.0788



0.3898, 0.2004, 0.0878

Previews

White Background



This preview shows how the Yxy color 72.6335, 0.3372, 0.4075 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 72.6335, 0.3372, 0.4075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

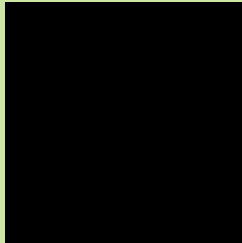
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.6335, 0.3372, 0.4075

Background



This preview shows how black text looks on a background with the Yxy color 72.6335, 0.3372, 0.4075.



This preview shows how white text looks on a background with the Yxy color 72.6335, 0.3372, 0.4075.

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

72.6335, 0.3372, 0.4075

Protanopia

72.3932, 0.3682, 0.3956

Deuteranopia

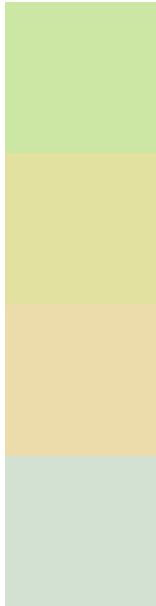
71.9831, 0.3718, 0.3673



Tritanopia

72.3920, 0.2971, 0.3096

Trichromacy



Original Color

72.6335, 0.3372, 0.4075

Protanomaly

72.5572, 0.3570, 0.4008

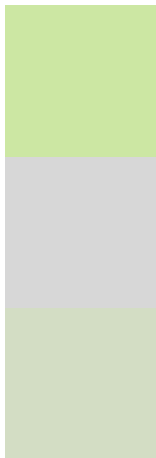
Deuteranomaly

71.9595, 0.3586, 0.3820

Tritanomaly

72.4025, 0.3120, 0.3446

Monochromacy



Original Color

72.6335, 0.3372, 0.4075

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

69.5473, 0.3222, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6335, 0.3372, 0.4075 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(204, 231, 163)` looks like.

```
.text, #text, p{  
    color:rgb(204, 231, 163)  
}
```

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(204, 231, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 231, 163) }
```

Border

The CSS property to change the border of an element to Yxy 72.6335, 0.3372, 0.4075 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(204, 231, 163) }
```

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

```
.border{ border-color:rgb(204, 231, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 231, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 231, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 231, 163);  
box-shadow:4px 4px 4px 4px rgb(204, 231,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6335, 0.3372, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 231, 163) }
```

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

```
.background{ background-color: rgb(204,  
231, 163) }
```

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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