

Converting Colors

$Yxy(73.0391, 0.3323, 0.4542)$

Have a look what the booklet for
Yxy(73.0391, 0.3323, 0.4542)
contains.

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Color

Yxy(72.8294, 0.3328, 0.4541)

Conversions

Conversions Part 1

Format	Color
Hex	B1EF87
RGB	177, 239, 135
RGB Percent	69%, 94%, 53%
CMY	0.3058, 0.0627, 0.4705
CMYK	0.26, 0.00, 0.44, 0.06
HSL	96°, 76%, 73%
HSV	96°, 44%, 94%
XYZ	53.3751, 72.8294, 34.1774
YIQ	208.6060, -3.5680, -45.4880

Conversions

Conversions Part 2

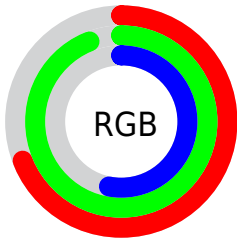
Format	Color
RYB	135, 239, 197
Decimal	11661191
CIELab	88.37, -37.34, 44.02
CIElCh	88, 57.725, 130.308
Yxy	72.8294, 0.3328, 0.4541
Android (android.graphics.Color)	4289851271 (0xFFB1EF87)
YUV	208.6060, -36.2878, -27.7185
Hunter-Lab	85.3401, -37.7043, 35.9934

Details

The Yxy color **72.8294, 0.3328, 0.4541** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.4426, 0.2802, 0.2100**, and the grayscale version is **63.7380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7301, 0.3373, 0.3960**, and **38.6291, 0.3340, 0.4866** is the 20% darker color. If you saturate the color by 10%, you get **70.6459, 0.3352, 0.4852**, and if you desaturate by 10%, it is **75.3451, 0.3292, 0.4227**.

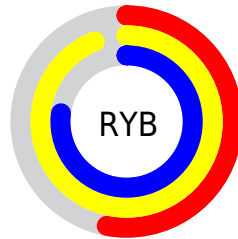
Distribution



Red (69%)

Green (94%)

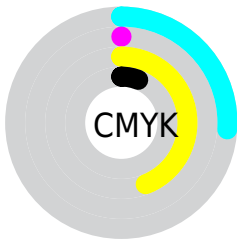
Blue (53%)



Red (53%)

Yellow (94%)

Blue (77%)

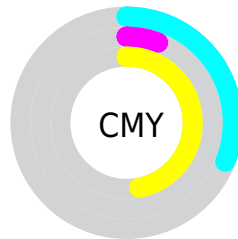


Cyan (26%)

Magenta (0%)

Yellow (44%)

Black (6%)



Cyan (31%)


Magenta (6%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8294, 0.3328, 0.4541 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 72.8294, 0.3328, 0.4541 by changing the saturation by 10% instead.


 72.8294, 0.3328,
0.4541


 72.8294, 0.3328,
0.4541


470.4233, 0.3260,
0.3933


 53.8365, 0.3335,
0.4685


 123.2350, 0.3311,
0.4326

 38.4709, 0.3340,
0.4864


 155.4164, 0.3302,
0.4243

 26.3484, 0.3338,
0.5092

 192.7629, 0.3294,
0.4172

 17.0845, 0.3321,
0.5390

235.6587, 0.3286,
0.4111

 10.2947, 0.3269,
0.5790

284.4882, 0.3279,
0.4058

 5.5948, 0.3182,
0.6425

339.6359, 0.3272,

 2.6003, 0.2845,

0.4011

0.7155

401.4861, 0.3266,
0.3970

■ 0.9268, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 72.8294, 0.3328,
0.4541

■ 72.8294, 0.3328,
0.4541

■ 70.6459, 0.3352,
0.4852

■ 75.3451, 0.3292,
0.4227

■ 68.7695, 0.3360,
0.5146


■ 78.1979, 0.3247,
0.3924


■ 67.1863, 0.3349,
0.5403


■ 81.4043, 0.3197,
0.3638


■ 65.8771, 0.3319,
0.5607

■ 84.9771, 0.3145,
0.3376

 64.8194, 0.3271,
0.5750

 88.9281, 0.3093,
0.3139

 64.2478, 0.3234,
0.5814

 90.2137, 0.3134,
0.3136

Harmonies

Analogous

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



72.8294, 0.3965, 0.4473



72.8294, 0.3328, 0.4541



72.8294, 0.2671, 0.4135

Triad

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



72.8294, 0.3328, 0.4541



72.8294, 0.1965, 0.2361



72.8294, 0.4153, 0.3058

Complementary

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



72.8294, 0.3328, 0.4541



35.4426, 0.2802, 0.2100

Split Complementary

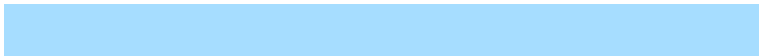
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.8294, 0.3504, 0.2618



72.8294, 0.3328, 0.4541



72.8294, 0.2263, 0.2224

Square

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



72.8294, 0.3328, 0.4541



72.8294, 0.1930, 0.2766



72.8294, 0.2803, 0.2322



72.8294, 0.4492, 0.3572

Rectangle

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



72.8294, 0.3328, 0.4541



72.8294, 0.2311, 0.3671



72.8294, 0.2803, 0.2322



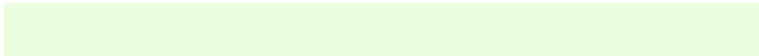
72.8294, 0.3959, 0.2900

Sweetspot

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



72.8326, 0.3328, 0.4541



94.4881, 0.3195, 0.3626



59.4374, 0.3967, 0.3953



20.0396, 0.3206, 0.3687



0.0000, 0.0000, 0.0000



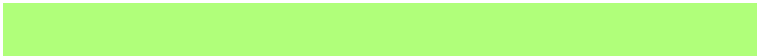
21.4041, 0.3127, 0.3290

Same Dimension

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



72.8326, 0.3328, 0.4541



82.1583, 0.3350, 0.4812



68.8917, 0.3020, 0.4535



17.9679, 0.3177, 0.3530



35.5762, 0.3246, 0.5805



3.0161, 0.3348, 0.5723

Inverse Universe

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



35.4426, 0.2802, 0.2100



33.7187, 0.2714, 0.1858



41.4204, 0.3255, 0.2301



15.6947, 0.3073, 0.3053



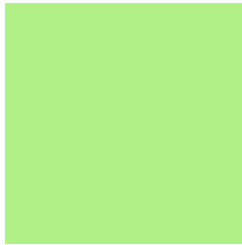
6.7248, 0.2224, 0.0999



0.6173, 0.2351, 0.1069

Previews

White Background



This preview shows how the Yxy color 72.8294, 0.3328, 0.4541 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 72.8294, 0.3328, 0.4541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

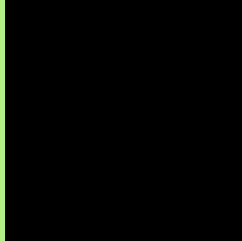
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8294, 0.3328, 0.4541

Background



This preview shows how black text looks on a background with the Yxy color 72.8294, 0.3328, 0.4541.

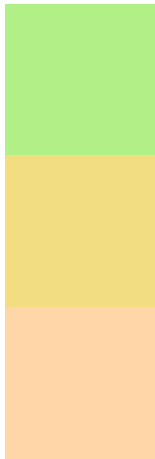


This preview shows how white text looks on a background with the Yxy color 72.8294, 0.3328, 0.4541.

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

72.8294, 0.3328, 0.4541

Protanopia

72.1487, 0.3919, 0.4260

Deuteranopia

72.1432, 0.3782, 0.3776



Tritanopia

72.3937, 0.2808, 0.3090

Trichromacy



Original Color

72.8294, 0.3328, 0.4541



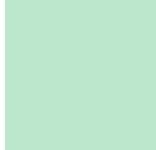
Protanomaly

72.0309, 0.3683, 0.4367



Deuteranomaly

71.4728, 0.3617, 0.4041



Tritanomaly

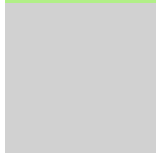
72.2028, 0.3006, 0.3605

Monochromacy



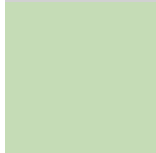
Original Color

72.8294, 0.3328, 0.4541



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

66.4341, 0.3214, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8294, 0.3328, 0.4541 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(177, 239, 135)` looks like.

```
.text, #text, p{  
    color:rgb(177, 239, 135)  
}
```

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(177, 239, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 239, 135) }
```

Border

The CSS property to change the border of an element to Yxy 72.8294, 0.3328, 0.4541 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(177, 239, 135) }
```

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

```
.border{ border-color:rgb(177, 239, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 239, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 239, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 239, 135); box-shadow:4px 4px 4px 4px rgb(177, 239, 135) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8294, 0.3328, 0.4541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 239, 135) }
```

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

```
.background{ background-color: rgb(177,  
239, 135) }
```

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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