

Converting Colors

$Y_{xy}(73.1728, 0.3486, 0.4785)$

Have a look what the booklet for
Yxy(73.1728, 0.3486, 0.4785)
contains.

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Color

Yxy(72.9480, 0.3492, 0.4783)

Conversions

Conversions Part 1

Format	Color
Hex	B7EF6F
RGB	183, 239, 111
RGB Percent	72%, 94%, 44%
CMY	0.2825, 0.0627, 0.5647
CMYK	0.23, 0.00, 0.54, 0.06
HSL	86°, 80%, 69%
HSV	86°, 54%, 94%
XYZ	53.2583, 72.9480, 26.3089
YIQ	207.6640, 7.7120, -51.6800

Conversions

Conversions Part 2

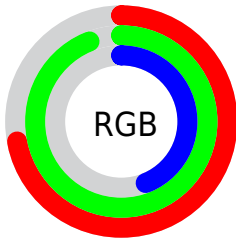
Format	Color
RYB	111, 239, 167
Decimal	12054383
CIELab	88.42, -37.89, 55.47
CIElCh	88, 67.175, 124.334
Yxy	72.9480, 0.3492, 0.4783
Android (android.graphics.Color)	4290244463 (0xFFB7EF6F)
YUV	207.6640, -47.6554, -21.6303
Hunter-Lab	85.4096, -38.1608, 41.5235

Details

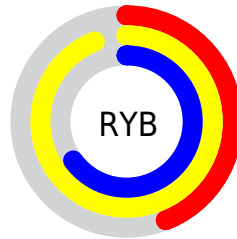
The Yxy color **72.9480, 0.3492, 0.4783** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **25.8190, 0.2519, 0.1748**, and the grayscale version is **63.1556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9739, 0.3559, 0.4193**, and **38.6744, 0.3521, 0.5154** is the 20% darker color. If you saturate the color by 10%, you get **71.2578, 0.3522, 0.5049**, and if you desaturate by 10%, it is **74.8808, 0.3443, 0.4496**.

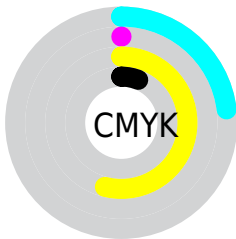
Distribution



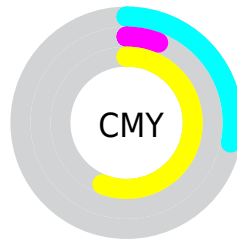
- Red (72%)
- Green (94%)
- Blue (44%)



- Red (44%)
- Yellow (94%)
- Blue (65%)



- Cyan (23%)
- Magenta (0%)
- Yellow (54%)
- Black (6%)




- Cyan (28%)
- Magenta (6%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9480, 0.3492, 0.4783 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 72.9480, 0.3492, 0.4783 by changing the saturation by 10% instead.

 72.9480, 0.3492,
0.4783


 72.9480, 0.3492,
0.4783


470.8346, 0.3363,
0.4065


 53.9334, 0.3508,
0.4948


 123.4034, 0.3457,
0.4532

 38.5485, 0.3520,
0.5151


 155.6130, 0.3441,
0.4434

 26.4086, 0.3522,
0.5402


 192.9898, 0.3425,
0.4351

 17.1296, 0.3500,
0.5719

235.9181, 0.3411,
0.4278

 10.3269, 0.3431,
0.6123

284.7823, 0.3397,
0.4215

 5.6163, 0.3291,
0.6709


339.9669, 0.3385,

 2.6132, 0.2818,


0.4159

0.7182

401.8562, 0.3373,
0.4109


 0.9333, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 72.9480, 0.3492,
0.4783


 72.9480, 0.3492,
0.4783


 71.2578, 0.3522,
0.5049


 74.8808, 0.3443,
0.4496


 69.7871, 0.3531,
0.5279


 77.0588, 0.3380,
0.4203


 68.5235, 0.3515,
0.5461


 79.4966, 0.3309,
0.3913

 67.4488, 0.3477,
0.5589

 82.2044, 0.3233,
0.3636

 66.8399, 0.3444,
0.5647

 85.1920, 0.3155,
0.3377

 88.4688, 0.3078,
0.3139

 90.2202, 0.3134,
0.3136

Harmonies

Analogous

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



72.9480, 0.4198, 0.4570



72.9480, 0.3492, 0.4783



72.9480, 0.2729, 0.4429

Triad

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



72.9480, 0.3492, 0.4783



72.9480, 0.1777, 0.2285



72.9480, 0.4189, 0.2907

Complementary

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



72.9480, 0.3492, 0.4783



25.8190, 0.2519, 0.1748

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.



72.9480, 0.3390, 0.2442



72.9480, 0.3492, 0.4783



72.9480, 0.2050, 0.2085

Square

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



72.9480, 0.3492, 0.4783



72.9480, 0.1794, 0.2800



72.9480, 0.2606, 0.2151



72.9480, 0.4672, 0.3469

Rectangle

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



72.9480, 0.3492, 0.4783



72.9480, 0.2292, 0.3907



72.9480, 0.2606, 0.2151



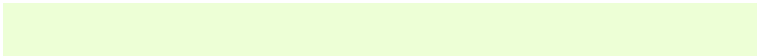
72.9480, 0.3941, 0.2737

Sweetspot

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



72.9512, 0.3492, 0.4783



94.4138, 0.3252, 0.3704



46.9430, 0.4332, 0.3896



20.0677, 0.3268, 0.3760



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.



72.9512, 0.3492, 0.4783



82.4249, 0.3524, 0.5065



66.8470, 0.3090, 0.4988



18.0947, 0.3201, 0.3528



37.0120, 0.3455, 0.5639



3.1378, 0.3548, 0.5565

Inverse Universe

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



25.8190, 0.2519, 0.1748



22.6519, 0.2362, 0.1446



34.5019, 0.3106, 0.1982



15.5672, 0.3048, 0.3051



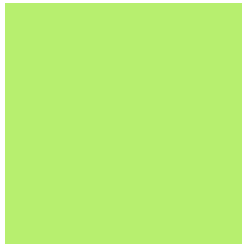
5.1657, 0.1909, 0.0825



0.4876, 0.2055, 0.0906

Previews

White Background



This preview shows how the Yxy color 72.9480, 0.3492, 0.4783 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 72.9480, 0.3492, 0.4783 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 72.9480, 0.3492, 0.4783

Background



This preview shows how black text looks on a background with the Yxy color 72.9480, 0.3492, 0.4783.



This preview shows how white text looks on a background with the Yxy color 72.9480, 0.3492, 0.4783.

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

72.9480, 0.3492, 0.4783

Protanopia

72.1453, 0.4078, 0.4453

Deuteranopia

71.9975, 0.3811, 0.3816



Tritanopia

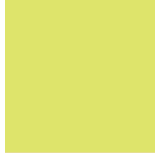
72.7390, 0.2856, 0.3092

Trichromacy



Original Color

72.9480, 0.3492, 0.4783



Protanomaly

72.0779, 0.3849, 0.4584



Deuteranomaly

71.4470, 0.3706, 0.4154



Tritanomaly

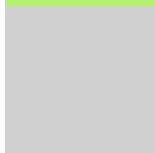
72.0031, 0.3101, 0.3697

Monochromacy



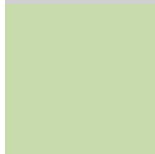
Original Color

72.9480, 0.3492, 0.4783



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

65.8223, 0.3290, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9480, 0.3492, 0.4783 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(183, 239, 111)` looks like.

```
.text, #text, p{  
    color:rgb(183, 239, 111)  
}
```

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(183, 239, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 239, 111) }
```

Border

The CSS property to change the border of an element to Yxy 72.9480, 0.3492, 0.4783 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(183, 239, 111) }
```

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

```
.border{ border-color:rgb(183, 239, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 239, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 239, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 239, 111); box-shadow:4px 4px 4px 4px rgb(183, 239, 111) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9480, 0.3492, 0.4783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 239, 111) }
```

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

```
.background{ background-color: rgb(183,  
239, 111) }
```

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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