

Converting Colors

$Yxy(72.5737, 0.3434, 0.4796)$

Have a look what the booklet for
Yxy(72.5737, 0.3434, 0.4796)
contains.

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Color

Yxy(72.7425, 0.3431, 0.4795)

Conversions

Conversions Part 1

Format	Color
Hex	B0F071
RGB	176, 240, 113
RGB Percent	69%, 94%, 44%
CMY	0.3097, 0.0588, 0.5570
CMYK	0.27, 0.00, 0.53, 0.06
HSL	90°, 81%, 69%
HSV	90°, 53%, 94%
XYZ	52.0500, 72.7425, 26.9124
YIQ	206.3860, 2.6230, -53.0650

Conversions

Conversions Part 2

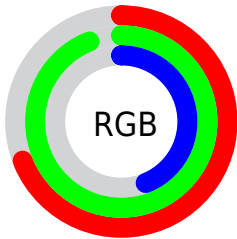
Format	Color
RYB	113, 240, 177
Decimal	11595889
CIELab	88.32, -40.61, 54.36
CIELCh	88, 67.848, 126.761
Yxy	72.7425, 0.3431, 0.4795
Android (android.graphics.Color)	4289785969 (0xFFB0F071)
YUV	206.3860, -46.0393, -26.6485
Hunter-Lab	85.2892, -40.3219, 40.9939

Details

The Yxy color **72.7425, 0.3431, 0.4795** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **27.4366, 0.2601, 0.1795**, and the grayscale version is **62.2861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8396, 0.3500, 0.4187**, and **38.5898, 0.3446, 0.5180** is the 20% darker color. If you saturate the color by 10%, you get **70.9278, 0.3453, 0.5074**, and if you desaturate by 10%, it is **74.8319, 0.3392, 0.4497**.

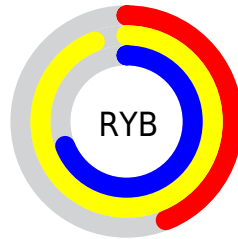
Distribution



Red (69%)

Green (94%)

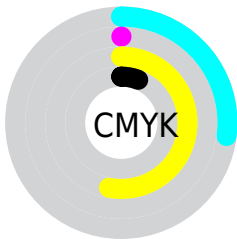
Blue (44%)



Red (44%)

Yellow (94%)

Blue (69%)

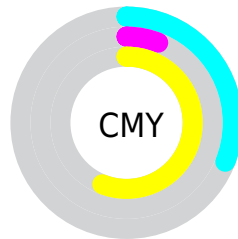


Cyan (27%)

Magenta (0%)

Yellow (53%)

Black (6%)



Cyan (31%)


Magenta (6%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.7425, 0.3431, 0.4795 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 72.7425, 0.3431, 0.4795 by changing the saturation by 10% instead.


 72.7425, 0.3431,
0.4795

 72.7425, 0.3431,
0.4795


470.1219, 0.3330,
0.4067

 53.7654, 0.3441,
0.4964


 123.1116, 0.3406,
0.4539

 38.4142, 0.3446,
0.5172


 155.2724, 0.3393,
0.4440

 26.3043, 0.3438,
0.5432


 192.5966, 0.3381,
0.4355

 17.0514, 0.3406,
0.5762

235.4685, 0.3369,
0.4282

 10.2712, 0.3321,
0.6186

284.2726, 0.3358,
0.4218

 5.5791, 0.3170,
0.6830

339.3933, 0.3348,

 2.5909, 0.2663,

0.4161

0.7337

401.2149, 0.3339,
0.4111

0.9221, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

72.7425, 0.3431,
0.4795

72.7425, 0.3431,
0.4795

70.9278, 0.3453,
0.5074

74.8319, 0.3392,
0.4497

69.3634, 0.3453,
0.5319


77.1999, 0.3340,
0.4195


68.0359, 0.3432,
0.5515

79.8620, 0.3279,
0.3900

66.9255, 0.3389,
0.5654

82.8297, 0.3214,
0.3621

 66.2518, 0.3350,
0.5722

 86.1138, 0.3147,
0.3362

 89.5966, 0.3092,
0.3144

 90.7997, 0.3134,
0.3146

Harmonies

Analogous

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



72.7425, 0.4156, 0.4615



72.7425, 0.3431, 0.4795



72.7425, 0.2665, 0.4388

Triad

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



72.7425, 0.3431, 0.4795



72.7425, 0.1777, 0.2248



72.7425, 0.4256, 0.2945

Complementary

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



72.7425, 0.3431, 0.4795



27.4366, 0.2601, 0.1795

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.



72.7425, 0.3461, 0.2467



72.7425, 0.3431, 0.4795



72.7425, 0.2075, 0.2070

Square

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



72.7425, 0.3431, 0.4795



72.7425, 0.1769, 0.2739



72.7425, 0.2657, 0.2157



72.7425, 0.4707, 0.3516

Rectangle

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



72.7425, 0.3431, 0.4795



72.7425, 0.2237, 0.3842



72.7425, 0.2657, 0.2157



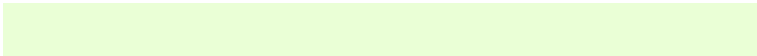
72.7425, 0.4013, 0.2772

Sweetspot

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



72.7457, 0.3431, 0.4795



93.9547, 0.3235, 0.3706



50.9594, 0.4258, 0.3979



19.9583, 0.3248, 0.3763



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.



72.7457, 0.3431, 0.4795



81.1527, 0.3454, 0.5108



67.0207, 0.3047, 0.4988



18.0417, 0.3191, 0.3529



36.3466, 0.3361, 0.5713



3.0828, 0.3461, 0.5634

Inverse Universe

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



27.4366, 0.2601, 0.1795



23.8363, 0.2453, 0.1487



36.6216, 0.3186, 0.2027



15.6198, 0.3059, 0.3052



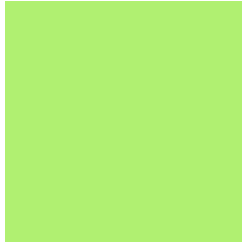
5.7427, 0.2031, 0.0892



0.5369, 0.2172, 0.0970

Previews

White Background



This preview shows how the Yxy color 72.7425, 0.3431, 0.4795 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 72.7425, 0.3431, 0.4795 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

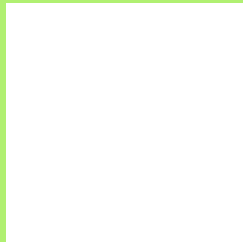
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.7425, 0.3431, 0.4795

Background



This preview shows how black text looks on a background with the Yxy color 72.7425, 0.3431, 0.4795.



This preview shows how white text looks on a background with the Yxy color 72.7425, 0.3431, 0.4795.

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

72.7425, 0.3431, 0.4795

Protanopia

72.0075, 0.4059, 0.4440

Deuteranopia

71.9618, 0.3818, 0.3827



Tritanopia

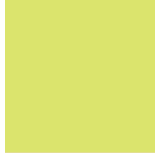
72.5265, 0.2814, 0.3091

Trichromacy



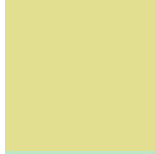
Original Color

72.7425, 0.3431, 0.4795



Protanomaly

71.6510, 0.3815, 0.4578



Deuteranomaly

70.9577, 0.3682, 0.4161



Tritanomaly

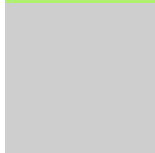
71.8287, 0.3054, 0.3701

Monochromacy



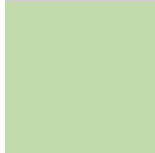
Original Color

72.7425, 0.3431, 0.4795



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.7235, 0.3268, 0.3844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7425, 0.3431, 0.4795 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(176, 240, 113)` looks like.

```
.text, #text, p{  
    color:rgb(176, 240, 113)  
}
```

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(176, 240, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 240, 113) }
```

Border

The CSS property to change the border of an element to Yxy 72.7425, 0.3431, 0.4795 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(176, 240, 113) }
```

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

```
.border{ border-color:rgb(176, 240, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 240, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 240, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 240, 113); box-shadow:4px 4px 4px 4px rgb(176, 240, 113) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7425, 0.3431, 0.4795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 240, 113) }
```

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

```
.background{ background-color: rgb(176,  
240, 113) }
```

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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