

Converting Colors

$Y_{xy}(73.7497, 0.2948, 0.5360)$

Have a look what the booklet for
Yxy(73.7497, 0.2948, 0.5360)
contains.

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Color

Yxy(73.7422, 0.2950, 0.5365)

Conversions

Conversions Part 1

Format	Color
Hex	48FF60
RGB	72, 255, 96
RGB Percent	28%, 100%, 38%
CMY	0.7173, 0.0000, 0.6236
CMYK	0.72, 0.00, 0.62, 0.00
HSL	128°, 100%, 64%
HSV	128°, 72%, 100%
XYZ	40.5479, 73.7422, 23.1604
YIQ	182.1570, -58.0290, -88.2450

Conversions

Conversions Part 2

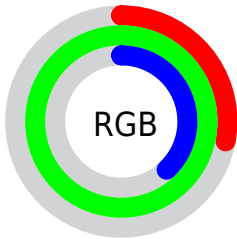
Format	Color
RYB	72, 234, 255
Decimal	4783968
CIELab	88.80, -75.33, 61.30
CIELCh	89, 97.121, 140.861
Yxy	73.7422, 0.2950, 0.5365
Android (android.graphics.Color)	4282974048 (0xFF48FF60)
YUV	182.1570, -42.4754, -96.6077
Hunter-Lab	85.8733, -65.9936, 44.1205

Details

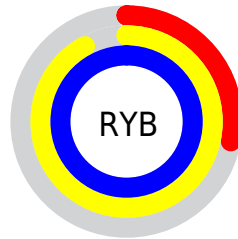
The Yxy color **73.7422, 0.2950, 0.5365** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **31.6799, 0.3444, 0.1881**, and the grayscale version is **47.1423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7163, 0.3025, 0.4557**, and **40.0661, 0.2951, 0.5825** is the 20% darker color. If you saturate the color by 10%, you get **72.6065, 0.2952, 0.5620**, and if you desaturate by 10%, it is **75.4053, 0.2958, 0.5065**.

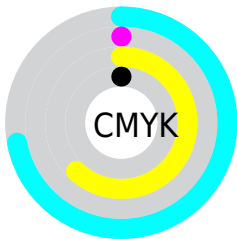
Distribution



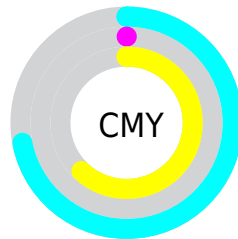
- Red (28%)
- Green (100%)
- Blue (38%)



- Red (28%)
- Yellow (92%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)



- Cyan (72%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.7422, 0.2950, 0.5365 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 73.7422, 0.2950, 0.5365 by changing the saturation by 10% instead.


 73.7422, 0.2950,
0.5365


 73.7422, 0.2950,
0.5365


473.5831, 0.3101,
0.4326


 54.5831, 0.2895,
0.5613


 124.5303, 0.3018,
0.4993

 39.0680, 0.2816,
0.5921


 156.9280, 0.3040,
0.4852

 26.8126, 0.2699,
0.6309


 194.5074, 0.3057,
0.4731

 17.4326, 0.2518,
0.6801

 237.6529, 0.3070,
0.4627

 10.5434, 0.2245,
0.7477

286.7488, 0.3081,
0.4537

 5.7607, 0.1774,
0.8226

342.1795, 0.3089,

 2.7001, 0.0491,

0.4458

0.9509

404.3295, 0.3096,
0.4388

■ 0.9773, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.7422, 0.2950,
0.5365

■ 73.7422, 0.2950,
0.5365

■ 72.6065, 0.2952,
0.5620

■ 75.4053, 0.2958,
0.5065


■ 71.9252, 0.2964,
0.5811


■ 77.6401, 0.2975,
0.4743


■ 71.6316, 0.2977,
0.5917


■ 80.4965, 0.2999,
0.4418

■ 84.0165, 0.3028,
0.4106

 88.2384, 0.3059,
0.3817

 93.1975, 0.3091,
0.3557

 98.9268, 0.3122,
0.3327

 99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



73.7422, 0.3975, 0.5311



73.7422, 0.2950, 0.5365



73.7422, 0.2022, 0.4352

Triad

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



73.7422, 0.2950, 0.5365



73.7422, 0.1486, 0.1736



73.7422, 0.5109, 0.3104

Complementary

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



73.7422, 0.2950, 0.5365



31.6799, 0.3444, 0.1881

Split Complementary

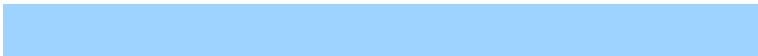
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.7422, 0.4145, 0.2448



73.7422, 0.2950, 0.5365



73.7422, 0.2018, 0.1701

Square

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



73.7422, 0.2950, 0.5365



73.7422, 0.1303, 0.2123



73.7422, 0.2946, 0.1951



73.7422, 0.5338, 0.3834

Rectangle

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



73.7422, 0.2950, 0.5365



73.7422, 0.1597, 0.3424



73.7422, 0.2946, 0.1951



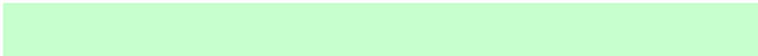
73.7422, 0.4854, 0.2874

Sweetspot

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



73.7453, 0.2950, 0.5365



88.1160, 0.3058, 0.3824



89.4237, 0.3934, 0.4972



18.6013, 0.3049, 0.3900



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.



73.7453, 0.2950, 0.5365



72.2641, 0.2956, 0.5710



76.3986, 0.2597, 0.4205



20.2068, 0.3098, 0.3503



37.4409, 0.2972, 0.5900



3.6569, 0.2928, 0.5742

Inverse Universe

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



31.6799, 0.3444, 0.1881



28.0129, 0.3514, 0.1769



27.8644, 0.4623, 0.2658



18.2571, 0.3158, 0.3086



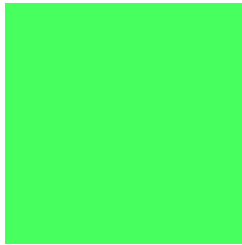
13.8711, 0.3570, 0.1740



1.3615, 0.3523, 0.1714

Previews

White Background



This preview shows how the Yxy color 73.7422, 0.2950, 0.5365 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 73.7422, 0.2950, 0.5365 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 73.7422, 0.2950, 0.5365

Background



This preview shows how black text looks on a background with the Yxy color 73.7422, 0.2950, 0.5365.



This preview shows how white text looks on a background with the Yxy color 73.7422, 0.2950, 0.5365.

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

73.7422, 0.2950, 0.5365

Protanopia

71.9776, 0.4181, 0.4592

Deuteranopia

71.8912, 0.3833, 0.3847



Tritanopia

72.9393, 0.2462, 0.3079

Trichromacy



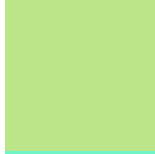
Original Color

73.7422, 0.2950, 0.5365



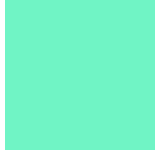
Protanomaly

69.0833, 0.3610, 0.4937



Deuteranomaly

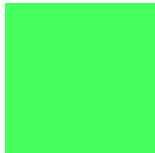
68.5361, 0.3417, 0.4396



Tritanomaly

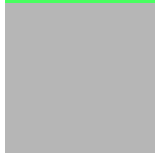
72.1773, 0.2648, 0.3892

Monochromacy



Original Color

73.7422, 0.2950, 0.5365



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

53.5861, 0.3026, 0.4101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7422, 0.2950, 0.5365 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(72, 255, 96)` looks like.

```
.text, #text, p{  
    color:rgb(72, 255, 96)  
}
```

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(72, 255, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 255, 96) }
```

Border

The CSS property to change the border of an element to Yxy 73.7422, 0.2950, 0.5365 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(72, 255, 96) }
```

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

```
.border{ border-color:rgb(72, 255, 96) }
```

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

Here you see how a box with a 4 pixel rgb(72, 255, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 255, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 255, 96);  
box-shadow:4px 4px 4px 4px rgb(72, 255,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7422, 0.2950, 0.5365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 255, 96) }
```

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

```
.background{ background-color: rgb(72, 255,  
96) }
```

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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