

Converting Colors

Yxy(47.8145, 0.3330, 0.5727)

Have a look what the booklet for
Yxy(47.8145, 0.3330, 0.5727)
contains.

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Color

Yxy(47.8298, 0.3332, 0.5725)

Conversions

Conversions Part 1

Format	Color
Hex	64D004
RGB	100, 208, 4
RGB Percent	39%, 82%, 2%
CMY	0.6076, 0.1843, 0.9844
CMYK	0.52, 0.00, 0.98, 0.18
HSL	92°, 96%, 42%
HSV	92°, 98%, 82%
XYZ	27.8374, 47.8298, 7.8783
YIQ	152.4520, 1.1160, -86.3400

Conversions

Conversions Part 2

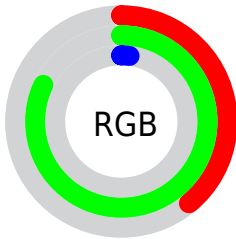
Format	Color
RYB	4, 208, 112
Decimal	6606852
CIELab	74.72, -58.98, 73.07
CIELCh	75, 93.900, 128.908
Yxy	47.8298, 0.3332, 0.5725
Android (android.graphics.Color)	4284796932 (0xFF64D004)
YUV	152.4520, -73.1868, -46.0004
Hunter-Lab	69.1591, -49.1800, 41.6573

Details

The Yxy color **47.8298, 0.3332, 0.5725** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **8.0799, 0.2094, 0.0935**, and the grayscale version is **31.9333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7372, 0.3406, 0.5217**, and **22.6631, 0.3056, 0.5956** is the 20% darker color. If you saturate the color by 10%, you get **47.7047, 0.3322, 0.5744**, and if you desaturate by 10%, it is **48.5633, 0.3383, 0.5608**.

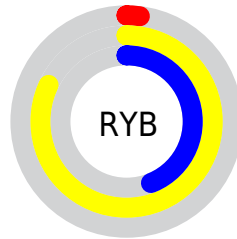
Distribution



Red (39%)

Green (82%)

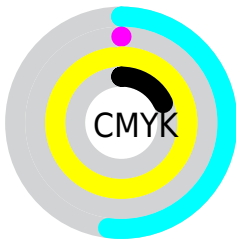
Blue (2%)



Red (2%)

Yellow (82%)

Blue (44%)

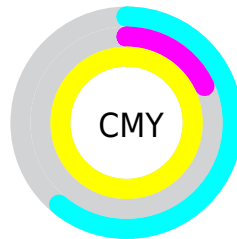


Cyan (52%)

Magenta (0%)

Yellow (98%)

Black (18%)



Cyan (61%)


Magenta (18%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8298, 0.3332, 0.5725 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 47.8298, 0.3332, 0.5725 by changing the saturation by 10% instead.


 47.8298, 0.3332,
0.5725


 47.8298, 0.3332,
0.5725


378.1171, 0.3352,
0.4466


 33.6921, 0.3278,
0.6020

 86.9509, 0.3375,
0.5275


 22.6572, 0.3179,
0.6375

 112.7032, 0.3380,
0.5102

 14.3406, 0.3023,
0.6842


 143.0958, 0.3380,
0.4955

 8.3579, 0.2701,
0.7299

 178.5130, 0.3377,
0.4829

 4.3248, 0.2177,
0.7823

 219.3394, 0.3372,
0.4720

 1.8569, 0.0554,
0.9446

 265.9593, 0.3366,

 0.5223, 0.0000,

0.4624

1.0000

318.7570, 0.3359,
0.4541

■ 0.0000, 0.0000,
0.0000

■ 47.8298, 0.3332,
0.5725

■ 47.8298, 0.3332,
0.5725

■ 47.7047, 0.3322,
0.5744

■ 48.5633, 0.3383,
0.5608

■ 49.4469, 0.3416,
0.5436

■ 50.5006, 0.3428,
0.5209

■ 51.7376, 0.3419,
0.4942

■ 53.1692, 0.3392,
0.4649

■ 54.8057, 0.3350,
0.4346

■ 56.6565, 0.3298,
0.4047

■ 58.7303, 0.3239,
0.3759

■ 61.0354, 0.3178,
0.3491

Harmonies

Analogous

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



47.8298, 0.4415, 0.5204



47.8298, 0.3332, 0.5725



47.8298, 0.2256, 0.5080

Triad

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



47.8298, 0.3332, 0.5725



47.8298, 0.1237, 0.1707



47.8298, 0.4983, 0.2768

Complementary

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



47.8298, 0.3332, 0.5725



8.0799, 0.2094, 0.0935

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.



47.8298, 0.3708, 0.2127



47.8298, 0.3332, 0.5725



47.8298, 0.1641, 0.1547

Square

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



47.8298, 0.3332, 0.5725



47.8298, 0.1174, 0.2297



47.8298, 0.2461, 0.1699



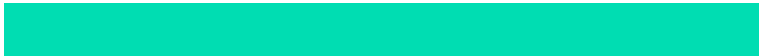
47.8298, 0.5571, 0.3506

Rectangle

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



47.8298, 0.3332, 0.5725



47.8298, 0.1689, 0.4050



47.8298, 0.2461, 0.1699



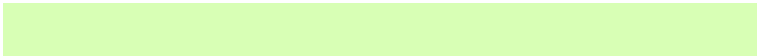
47.8298, 0.4601, 0.2539

Sweetspot

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



47.8318, 0.3332, 0.5725



89.4380, 0.3305, 0.4084



24.4384, 0.5333, 0.4132



18.8673, 0.3328, 0.4213



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.



47.8318, 0.3332, 0.5725



75.5189, 0.3314, 0.5751



45.1527, 0.2998, 0.5978



13.4753, 0.3186, 0.3525



29.7893, 0.3332, 0.5736



1.7127, 0.3476, 0.5622

Inverse Universe

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



8.0799, 0.2094, 0.0935



12.3641, 0.2062, 0.0910



17.8843, 0.3250, 0.1570



11.7211, 0.3064, 0.3056



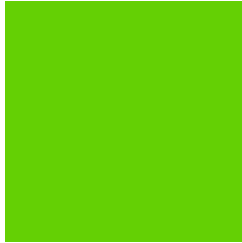
4.9645, 0.2088, 0.0924



0.3246, 0.2283, 0.1031

Previews

White Background



This preview shows how the Yxy color 47.8298, 0.3332, 0.5725 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 47.8298, 0.3332, 0.5725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

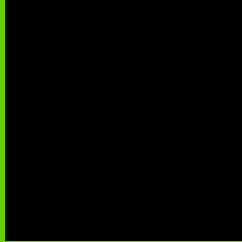
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8298, 0.3332, 0.5725

Background



This preview shows how black text looks on a background with the Yxy color 47.8298, 0.3332, 0.5725.



This preview shows how white text looks on a background with the Yxy color 47.8298, 0.3332, 0.5725.

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

47.8298, 0.3332, 0.5725

Protanopia

46.9888, 0.4406, 0.4884

Deuteranopia

46.8846, 0.4630, 0.4521



Tritanopia

47.4105, 0.2566, 0.3070

Trichromacy



Original Color

47.8298, 0.3332, 0.5725



Protanomaly

45.9170, 0.3964, 0.5232



Deuteranomaly

45.2738, 0.4122, 0.5002



Tritanomaly

45.9609, 0.2969, 0.4269

Monochromacy



Original Color

47.8298, 0.3332, 0.5725



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

35.3734, 0.3372, 0.4479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8298, 0.3332, 0.5725 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(100, 208, 4)` looks like.

```
.text, #text, p{  
    color:rgb(100, 208, 4)  
}
```

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(100, 208, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 208, 4) }
```

Border

The CSS property to change the border of an element to Yxy 47.8298, 0.3332, 0.5725 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(100, 208, 4) }
```

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

```
.border{ border-color:rgb(100, 208, 4) }
```

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

Here you see how a box with a 4 pixel rgb(100, 208, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 208, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 208, 4);  
box-shadow:4px 4px 4px 4px rgb(100, 208,  
4) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8298, 0.3332, 0.5725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 208, 4) }
```

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

```
.background{ background-color: rgb(100,  
208, 4) }
```

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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