

Converting Colors

Yxy(47.7882, 0.3051, 0.4920)

Have a look what the booklet for
Yxy(47.7882, 0.3051, 0.4920)
contains.

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Color

Yxy(47.7720, 0.3051, 0.4919)

Conversions

Conversions Part 1

Format	Color
Hex	64CE64
RGB	100, 206, 100
RGB Percent	39%, 81%, 39%
CMY	0.6077, 0.1922, 0.6078
CMYK	0.51, 0.00, 0.51, 0.19
HSL	120°, 52%, 60%
HSV	120°, 51%, 81%
XYZ	29.6305, 47.7720, 19.7148
YIQ	162.2220, -29.1500, -55.4380

Conversions

Conversions Part 2

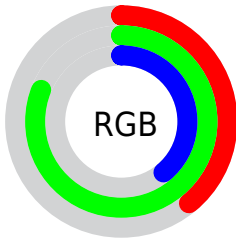
Format	Color
RYB	100, 206, 206
Decimal	6606436
CIELab	74.68, -51.84, 43.20
CIELCh	75, 67.478, 140.193
Yxy	47.7720, 0.3051, 0.4919
Android (android.graphics.Color)	4284796516 (0xFF64CE64)
YUV	162.2220, -30.6754, -54.5687
Hunter-Lab	69.1173, -44.4326, 31.4704

Details

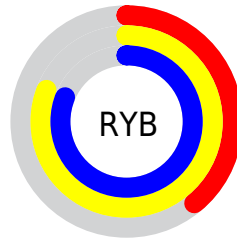
The Yxy color **47.7720, 0.3051, 0.4919** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **26.6855, 0.3184, 0.2065**, and the grayscale version is **36.4034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0890, 0.3097, 0.4516**, and **22.7300, 0.2960, 0.5448** is the 20% darker color. If you saturate the color by 10%, you get **46.3942, 0.3035, 0.5262**, and if you desaturate by 10%, it is **49.5514, 0.3068, 0.4561**.

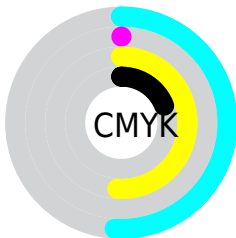
Distribution



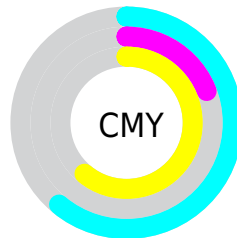
- Red (39%)
- Green (81%)
- Blue (39%)



- Red (39%)
- Yellow (81%)
- Blue (81%)



- Cyan (51%)
- Magenta (0%)
- Yellow (51%)
- Black (19%)




- Cyan (61%)
- Magenta (19%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7720, 0.3051, 0.4919 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 47.7720, 0.3051, 0.4919 by changing the saturation by 10% instead.


 47.7720, 0.3051,
0.4919

 47.7720, 0.3051,
0.4919


377.8877, 0.3131,
0.4051

 33.6464, 0.3015,
0.5148


 86.8648, 0.3092,
0.4593

 22.6221, 0.2958,
0.5447


 112.6008, 0.3103,
0.4473

 14.3147, 0.2865,
0.5847


 142.9757, 0.3112,
0.4374

 8.3399, 0.2699,
0.6400

 178.3739, 0.3118,
0.4289

 4.3132, 0.2493,
0.7507

219.1798, 0.3123,
0.4217

 1.8502, 0.1312,
0.8688

265.7778, 0.3126,

 0.5182, 0.0000,

0.4154

1.0000

318.5523, 0.3129,
0.4099

■ 0.0000, 0.0000,
0.0000

■ 47.7720, 0.3051,
0.4919

■ 47.7720, 0.3051,
0.4919

■ 46.3942, 0.3035,
0.5262

■ 49.5514, 0.3068,
0.4561

■ 45.3814, 0.3021,
0.5561

■ 51.7537, 0.3084,
0.4210

■ 44.7005, 0.3010,
0.5791

■ 54.4058, 0.3100,
0.3882

■ 44.3100, 0.3003,
0.5935

■ 57.5309, 0.3113,
0.3586

■ 44.1426, 0.3000,
0.6000

■ 61.1503, 0.3126,
0.3325

■ 65.2841, 0.3136,
0.3098

■ 69.9514, 0.3145,
0.2902

■ 72.6221, 0.3150,
0.2811

Harmonies

Analogous

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



47.7720, 0.3914, 0.4951



47.7720, 0.3051, 0.4919



47.7720, 0.2255, 0.4151

Triad

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



47.7720, 0.3051, 0.4919



47.7720, 0.1731, 0.1991



47.7720, 0.4716, 0.3162

Complementary

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



47.7720, 0.3051, 0.4919



26.6855, 0.3184, 0.2065

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.



47.7720, 0.3935, 0.2584



47.7720, 0.3051, 0.4919



47.7720, 0.2195, 0.1941

Square

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



47.7720, 0.3051, 0.4919



47.7720, 0.1578, 0.2359



47.7720, 0.2973, 0.2153



47.7720, 0.4955, 0.3807

Rectangle

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



47.7720, 0.3051, 0.4919



47.7720, 0.1874, 0.3447



47.7720, 0.2973, 0.2153



47.7720, 0.4503, 0.2959

Sweetspot

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



47.7740, 0.3051, 0.4919



91.2327, 0.3108, 0.3693



57.3379, 0.3882, 0.4506



19.2956, 0.3105, 0.3756



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.



47.7740, 0.3051, 0.4919



74.9208, 0.3033, 0.5304



49.0933, 0.2764, 0.4121



12.5372, 0.3116, 0.3529



27.1821, 0.3000, 0.6000



1.4024, 0.3000, 0.6000

Inverse Universe

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



26.6855, 0.3184, 0.2065



36.9981, 0.3194, 0.1860



24.5945, 0.3809, 0.2609



11.4035, 0.3138, 0.3062



10.8164, 0.3208, 0.1541



0.5581, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 47.7720, 0.3051, 0.4919 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 47.7720, 0.3051, 0.4919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

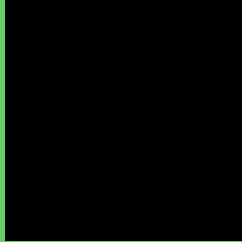
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7720, 0.3051, 0.4919

Background



This preview shows how black text looks on a background with the Yxy color 47.7720, 0.3051, 0.4919.



This preview shows how white text looks on a background with the Yxy color 47.7720, 0.3051, 0.4919.

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

47.7720, 0.3051, 0.4919

Protanopia

47.1962, 0.4025, 0.4395

Deuteranopia

46.8844, 0.4151, 0.4057



Tritanopia

47.5218, 0.2534, 0.3069

Trichromacy



Original Color

47.7720, 0.3051, 0.4919



Protanomaly

46.0872, 0.3617, 0.4603



Deuteranomaly

45.6027, 0.3691, 0.4376



Tritanomaly

46.9353, 0.2724, 0.3704

Monochromacy



Original Color

47.7720, 0.3051, 0.4919



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

39.1938, 0.3099, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7720, 0.3051, 0.4919 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, 206, 100)` looks like.

```
.text, #text, p{  
    color:rgb(100, 206, 100)  
}
```

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, 206, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 206, 100) }
```

Border

The CSS property to change the border of an element to Yxy 47.7720, 0.3051, 0.4919 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, 206, 100) }
```

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

```
.border{ border-color:rgb(100, 206, 100) }
```

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

Here you see how a box with a 4 pixel rgb(100, 206, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 206, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 206, 100);  
box-shadow:4px 4px 4px 4px rgb(100, 206,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7720, 0.3051, 0.4919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 206, 100) }
```

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

```
.background{ background-color: rgb(100,  
206, 100) }
```

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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