

Converting Colors

$Yxy(48.0364, 0.2741, 0.4088)$

Have a look what the booklet for
Yxy(48.0364, 0.2741, 0.4088)
contains.

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Color

Yxy(47.9941, 0.2741, 0.4086)

Conversions

Conversions Part 1

Format	Color
Hex	61CC98
RGB	97, 204, 152
RGB Percent	38%, 80%, 60%
CMY	0.6193, 0.2000, 0.4039
CMYK	0.52, 0.00, 0.25, 0.20
HSL	151°, 51%, 59%
HSV	151°, 52%, 80%
XYZ	32.1957, 47.9941, 37.2700
YIQ	166.0790, -47.0800, -38.8560

Conversions

Conversions Part 2

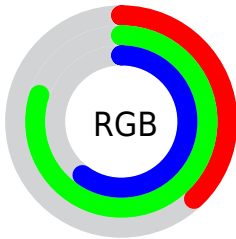
Format	Color
RYB	97, 168, 204
Decimal	6409368
CIELab	74.82, -42.93, 16.68
CIELCh	75, 46.056, 158.761
Yxy	47.9941, 0.2741, 0.4086
Android (android.graphics.Color)	4284599448 (0xFF61CC98)
YUV	166.0790, -6.9409, -60.5823
Hunter-Lab	69.2778, -38.2811, 16.5976

Details

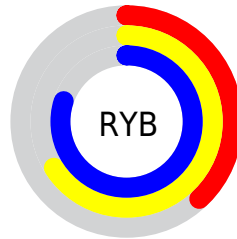
The Yxy color **47.9941, 0.2741, 0.4086** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **23.5731, 0.3873, 0.2637**, and the grayscale version is **38.2345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8463, 0.2811, 0.3866**, and **22.7578, 0.2616, 0.4338** is the 20% darker color. If you saturate the color by 10%, you get **46.7032, 0.2700, 0.4273**, and if you desaturate by 10%, it is **49.6043, 0.2797, 0.3907**.

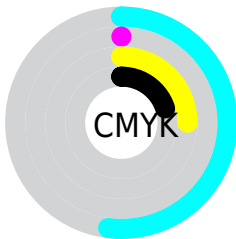
Distribution



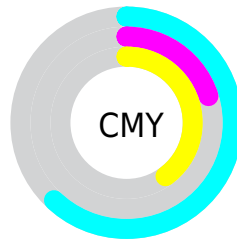
- Red (38%)
- Green (80%)
- Blue (60%)



- Red (38%)
- Yellow (66%)
- Blue (80%)



- Cyan (52%)
- Magenta (0%)
- Yellow (25%)
- Black (20%)




- Cyan (62%)
- Magenta (20%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9941, 0.2741, 0.4086 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 47.9941, 0.2741, 0.4086 by changing the saturation by 10% instead.


 47.9941, 0.2741,
0.4086


 47.9941, 0.2741,
0.4086


378.7687, 0.2943,
0.3670


 33.8222, 0.2688,
0.4196


 87.1956, 0.2816,
0.3930


 22.7571, 0.2618,
0.4340


 112.9940, 0.2844,
0.3873

 14.4142, 0.2523,
0.4539


 143.4368, 0.2867,
0.3825

 8.4093, 0.2385,
0.4827

 178.9082, 0.2887,
0.3785

 4.3580, 0.2168,
0.5279

219.7927, 0.2904,
0.3750

 1.8758, 0.1701,
0.6237

266.4747, 0.2918,

 0.5337, 0.0000,

0.3720

1.0000

319.3386, 0.2931,
0.3693

0.0000, 0.0000,
0.0000

47.9941, 0.2741,
0.4086

47.9941, 0.2741,
0.4086

46.7032, 0.2700,
0.4273

49.6043, 0.2797,
0.3907

45.7024, 0.2678,
0.4464

51.5487, 0.2864,
0.3739

44.9673, 0.2675,
0.4654

53.8482, 0.2940,
0.3585

44.4659, 0.2692,
0.4838

56.5204, 0.3022,
0.3445

44.1989, 0.2714,
0.4972

59.5815, 0.3107,
0.3318

■ 63.0469, 0.3192,
0.3206

■ 66.9312, 0.3277,
0.3107

■ 70.2338, 0.3319,
0.3016

■ 70.8116, 0.3247,
0.2920

Harmonies

Analogous

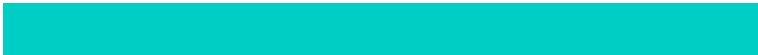
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.9941, 0.3352, 0.4437



47.9941, 0.2741, 0.4086



47.9941, 0.2264, 0.3451

Triad

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



47.9941, 0.2741, 0.4086



47.9941, 0.2308, 0.2302



47.9941, 0.4373, 0.3536

Complementary

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



47.9941, 0.2741, 0.4086



23.5731, 0.3873, 0.2637

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.



47.9941, 0.4042, 0.3057



47.9941, 0.2741, 0.4086



47.9941, 0.2801, 0.2381

Square

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



47.9941, 0.2741, 0.4086



47.9941, 0.2041, 0.2447



47.9941, 0.3441, 0.2650



47.9941, 0.4320, 0.4010

Rectangle

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



47.9941, 0.2741, 0.4086



47.9941, 0.2074, 0.3025



47.9941, 0.3441, 0.2650



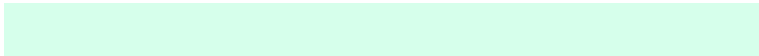
47.9941, 0.4304, 0.3373

Sweetspot

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



47.9960, 0.2741, 0.4086



91.8535, 0.2990, 0.3496



50.5831, 0.3431, 0.4764



19.4625, 0.2973, 0.3525



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.



47.9960, 0.2741, 0.4086



77.0872, 0.2696, 0.4300



50.0886, 0.2457, 0.3288



12.6316, 0.3047, 0.3405



27.8397, 0.2708, 0.4948



1.4515, 0.2610, 0.4596

Inverse Universe

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



23.5731, 0.3873, 0.2637



32.3250, 0.4128, 0.2529



22.2652, 0.4638, 0.3294



11.3031, 0.3215, 0.3178



8.6683, 0.5000, 0.2528



0.4625, 0.4558, 0.2285

Previews

White Background



This preview shows how the Yxy color 47.9941, 0.2741, 0.4086 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 47.9941, 0.2741, 0.4086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

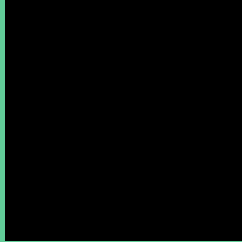
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.9941, 0.2741, 0.4086

Background



This preview shows how black text looks on a background with the Yxy color 47.9941, 0.2741, 0.4086.

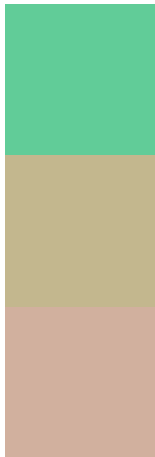


This preview shows how white text looks on a background with the Yxy color 47.9941, 0.2741, 0.4086.

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

47.9941, 0.2741, 0.4086

Protanopia

47.4221, 0.3570, 0.3820

Deuteranopia

47.0746, 0.3582, 0.3514



Tritanopia

47.8107, 0.2474, 0.3068

Trichromacy



Original Color

47.9941, 0.2741, 0.4086



Protanomaly

46.7079, 0.3202, 0.3924



Deuteranomaly

45.8429, 0.3208, 0.3704



Tritanomaly

47.7527, 0.2570, 0.3418

Monochromacy



Original Color

47.9941, 0.2741, 0.4086



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.8784, 0.2948, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9941, 0.2741, 0.4086 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(97, 204, 152)` looks like.

```
.text, #text, p{  
    color:rgb(97, 204, 152)  
}
```

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(97, 204, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 204, 152) }
```

Border

The CSS property to change the border of an element to Yxy 47.9941, 0.2741, 0.4086 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(97, 204, 152) }
```

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

```
.border{ border-color:rgb(97, 204, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 204, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 204, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 204, 152);  
box-shadow:4px 4px 4px 4px rgb(97, 204,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9941, 0.2741, 0.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 204, 152) }
```

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

```
.background{ background-color: rgb(97, 204,  
152) }
```

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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