

Converting Colors

$Yxy(48.9496, 0.2732, 0.3792)$

Have a look what the booklet for
Yxy(48.9496, 0.2732, 0.3792)
contains.

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Color

Yxy(49.0497, 0.2733, 0.3804)

Conversions

Conversions Part 1

Format	Color
Hex	71CBA8
RGB	113, 203, 168
RGB Percent	44%, 80%, 66%
CMY	0.5566, 0.2039, 0.3412
CMYK	0.44, 0.00, 0.17, 0.20
HSL	157°, 46%, 62%
HSV	157°, 44%, 80%
XYZ	35.2400, 49.0497, 44.6528
YIQ	172.1000, -42.4050, -29.9650

Conversions

Conversions Part 2

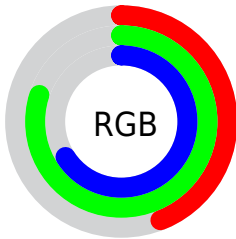
Format	Color
RYB	113, 169, 203
Decimal	7457704
CIELab	75.48, -35.12, 9.14
CIELCh	75, 36.290, 165.417
Yxy	49.0497, 0.2733, 0.3804
Android (android.graphics.Color)	4285647784 (0xFF71CBA8)
YUV	172.1000, -2.0213, -51.8307
Hunter-Lab	70.0355, -32.7457, 11.2231

Details

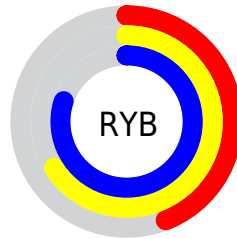
The Yxy color **49.0497, 0.2733, 0.3804** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.6623, 0.3824, 0.2841**, and the grayscale version is **41.3436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2827, 0.2802, 0.3652**, and **23.3106, 0.2617, 0.3954** is the 20% darker color. If you saturate the color by 10%, you get **47.5659, 0.2671, 0.3946**, and if you desaturate by 10%, it is **50.8565, 0.2808, 0.3671**.

Distribution



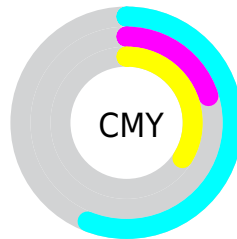
- Red (44%)
- Green (80%)
- Blue (66%)



- Red (44%)
- Yellow (66%)
- Blue (80%)



- Cyan (44%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)





- Cyan (56%)
- Magenta (20%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0497, 0.2733, 0.3804 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 49.0497, 0.2733, 0.3804 by changing the saturation by 10% instead.


 49.0497, 0.2733,
0.3804


 49.0497, 0.2733,
0.3804


382.9379, 0.2932,
0.3541

 34.6589, 0.2683,
0.3872


 88.7653, 0.2806,
0.3707

 23.4002, 0.2618,
0.3960


 114.8588, 0.2833,
0.3671

 14.8893, 0.2531,
0.4079


 145.6221, 0.2856,
0.3640

 8.7417, 0.2409,
0.4250

181.4395, 0.2876,
0.3615

 4.5731, 0.2226,
0.4513

222.6954, 0.2893,
0.3592

 1.9990, 0.1918,
0.4969

269.7741, 0.2907,

 0.6069, 0.0000,

0.3573

0.9650

323.0602, 0.2920,
0.3556

■ 0.0000, 0.0000,
0.0000

■ 49.0497, 0.2733,
0.3804

■ 49.0497, 0.2733,
0.3804

■ 47.5659, 0.2671,
0.3946

■ 50.8565, 0.2808,
0.3671

■ 46.3785, 0.2625,
0.4094

■ 52.9992, 0.2894,
0.3547

■ 45.4665, 0.2599,
0.4245


■ 55.4968, 0.2987,
0.3433


■ 44.8030, 0.2592,
0.4396


■ 58.3656, 0.3085,
0.3331

■ 44.3558, 0.2605,
0.4545


■ 61.6206, 0.3184,
0.3239

 44.1641, 0.2619,
0.4628

 65.2759, 0.3284,
0.3157

 69.3132, 0.3381,
0.3085

 69.7502, 0.3322,
0.3007

 70.2073, 0.3264,
0.2931

Harmonies

Analogous

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



49.0497, 0.3208, 0.4137



49.0497, 0.2733, 0.3804



49.0497, 0.2381, 0.3311

Triad

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



49.0497, 0.2733, 0.3804



49.0497, 0.2550, 0.2495



49.0497, 0.4120, 0.3593

Complementary

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



49.0497, 0.2733, 0.3804



26.6623, 0.3824, 0.2841

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.



49.0497, 0.3922, 0.3197



49.0497, 0.2733, 0.3804



49.0497, 0.2982, 0.2593

Square

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



49.0497, 0.2733, 0.3804



49.0497, 0.2286, 0.2580



49.0497, 0.3491, 0.2843



49.0497, 0.4025, 0.3953

Rectangle

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



49.0497, 0.2733, 0.3804



49.0497, 0.2254, 0.2996



49.0497, 0.3491, 0.2843



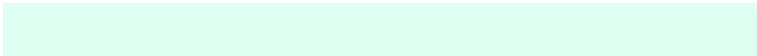
49.0497, 0.4086, 0.3461

Sweetspot

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



49.0517, 0.2733, 0.3804



93.4426, 0.2998, 0.3421



50.2965, 0.3326, 0.4554



19.7856, 0.2977, 0.3445



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.



49.0517, 0.2733, 0.3804



79.7855, 0.2674, 0.3937



46.4115, 0.2513, 0.3161



12.6502, 0.3034, 0.3382



28.1259, 0.2613, 0.4608



1.4656, 0.2533, 0.4320

Inverse Universe

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



26.6623, 0.3824, 0.2841



37.6529, 0.4055, 0.2755



27.8244, 0.4238, 0.3410



11.2848, 0.3230, 0.3200



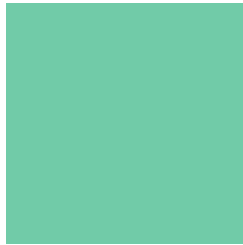
8.4560, 0.5402, 0.2750



0.4510, 0.4878, 0.2461

Previews

White Background



This preview shows how the Yxy color 49.0497, 0.2733, 0.3804 looks on a white background.

Color Contrast Check

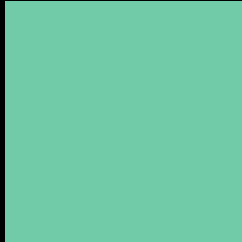
Large Text (above 18pt) WCAG AA × Fail

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 49.0497, 0.2733, 0.3804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

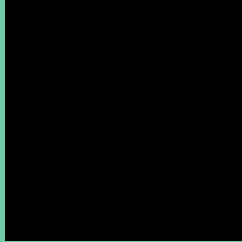
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

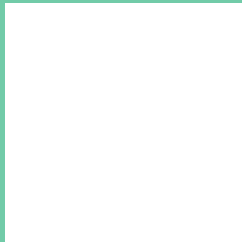
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0497, 0.2733, 0.3804

Background



This preview shows how black text looks on a background with the Yxy color 49.0497, 0.2733, 0.3804.



This preview shows how white text looks on a background with the Yxy color 49.0497, 0.2733, 0.3804.

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

49.0497, 0.2733, 0.3804

Protanopia

48.2189, 0.3425, 0.3625

Deuteranopia

48.5227, 0.3425, 0.3365



Tritanopia

49.0966, 0.2530, 0.3072

Trichromacy



Original Color

49.0497, 0.2733, 0.3804



Protanomaly

47.8696, 0.3133, 0.3687



Deuteranomaly

47.7910, 0.3133, 0.3517



Tritanomaly

48.9430, 0.2601, 0.3316

Monochromacy



Original Color

49.0497, 0.2733, 0.3804



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.3866, 0.2955, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0497, 0.2733, 0.3804 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(113, 203, 168)` looks like.

```
.text, #text, p{  
    color:rgb(113, 203, 168)  
}
```

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(113, 203, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 203, 168) }
```

Border

The CSS property to change the border of an element to Yxy 49.0497, 0.2733, 0.3804 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(113, 203, 168) }
```

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

```
.border{ border-color:rgb(113, 203, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 203, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 203, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 203, 168); box-shadow:4px 4px 4px 4px rgb(113, 203, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0497, 0.2733, 0.3804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 203, 168) }
```

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

```
.background{ background-color: rgb(113,  
203, 168) }
```

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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