

Converting Colors

$Yxy(48.6633, 0.2716, 0.4108)$

Have a look what the booklet for
Yxy(48.6633, 0.2716, 0.4108)
contains.

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Color

Yxy(48.7178, 0.2713, 0.4101)

Conversions

Conversions Part 1

Format	Color
Hex	5CCE99
RGB	92, 206, 153
RGB Percent	36%, 81%, 60%
CMY	0.6396, 0.1921, 0.3999
CMYK	0.55, 0.00, 0.26, 0.19
HSL	152°, 54%, 58%
HSV	152°, 55%, 81%
XYZ	32.2291, 48.7178, 37.8481
YIQ	165.8720, -50.9310, -40.6510

Conversions

Conversions Part 2

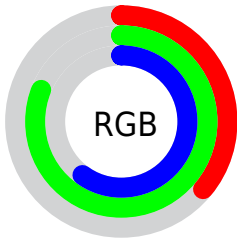
Format	Color
RYB	92, 166, 206
Decimal	6082201
CIELab	75.28, -44.77, 16.75
CIElCh	75, 47.795, 159.488
Yxy	48.7178, 0.2713, 0.4101
Android (android.graphics.Color)	4284272281 (0xFF5CCE99)
YUV	165.8720, -6.3459, -64.7857
Hunter-Lab	69.7981, -39.7249, 16.7087

Details

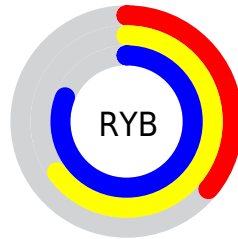
The Yxy color **48.7178, 0.2713, 0.4101** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **22.8045, 0.3973, 0.2636**, and the grayscale version is **38.1088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5090, 0.2786, 0.3857**, and **23.2631, 0.2584, 0.4357** is the 20% darker color. If you saturate the color by 10%, you get **47.4966, 0.2676, 0.4281**, and if you desaturate by 10%, it is **50.2566, 0.2767, 0.3928**.

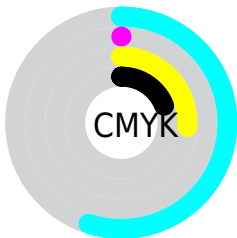
Distribution



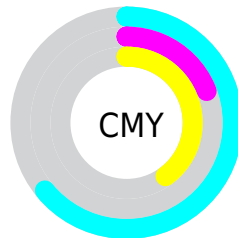
- Red (36%)
- Green (81%)
- Blue (60%)



- Red (36%)
- Yellow (65%)
- Blue (81%)



- Cyan (55%)
- Magenta (0%)
- Yellow (26%)
- Black (19%)




- Cyan (64%)
- Magenta (19%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7178, 0.2713, 0.4101 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 48.7178, 0.2713, 0.4101 by changing the saturation by 10% instead.


 48.7178, 0.2713,
0.4101


 48.7178, 0.2713,
0.4101

381.6303, 0.2928,
0.3677


 34.3957, 0.2657,
0.4212


 88.2722, 0.2793,
0.3943

 23.1977, 0.2583,
0.4359


 114.2732, 0.2823,
0.3885

 14.7396, 0.2483,
0.4559


 144.9360, 0.2847,
0.3836

 8.6368, 0.2338,
0.4850

 180.6450, 0.2868,
0.3795

 4.5051, 0.2113,
0.5304

221.7845, 0.2887,
0.3759

 1.9599, 0.1636,
0.6232

268.7390, 0.2902,

 0.5840, 0.0000,

0.3728

1.0000

321.8928, 0.2916,
0.3701

0.0000, 0.0000,
0.0000

48.7178, 0.2713,
0.4101

48.7178, 0.2713,
0.4101

47.4966, 0.2676,
0.4281

50.2566, 0.2767,
0.3928

46.5626, 0.2657,
0.4463

52.1289, 0.2833,
0.3765

45.8892, 0.2659,
0.4644

54.3567, 0.2910,
0.3614

45.4417, 0.2680,
0.4819

56.9582, 0.2993,
0.3476

45.2813, 0.2694,
0.4897

59.9503, 0.3080,
0.3352

■ 63.3491, 0.3168,
0.3240

■ 67.1694, 0.3257,
0.3142

■ 71.0973, 0.3330,
0.3054

■ 71.6484, 0.3261,
0.2961

Harmonies

Analogous

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



48.7178, 0.3341, 0.4473



48.7178, 0.2713, 0.4101



48.7178, 0.2228, 0.3438

Triad

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



48.7178, 0.2713, 0.4101



48.7178, 0.2293, 0.2274



48.7178, 0.4417, 0.3552

Complementary

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



48.7178, 0.2713, 0.4101



22.8045, 0.3973, 0.2636

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.



48.7178, 0.4084, 0.3060



48.7178, 0.2713, 0.4101



48.7178, 0.2805, 0.2361

Square

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



48.7178, 0.2713, 0.4101



48.7178, 0.2014, 0.2415



48.7178, 0.3467, 0.2640



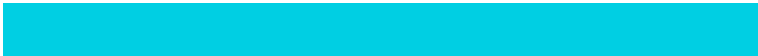
48.7178, 0.4350, 0.4039

Rectangle

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



48.7178, 0.2713, 0.4101



48.7178, 0.2039, 0.3000



48.7178, 0.3467, 0.2640



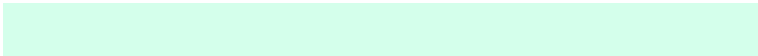
48.7178, 0.4349, 0.3384

Sweetspot

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



48.7198, 0.2713, 0.4101



91.4554, 0.2977, 0.3500



50.9539, 0.3410, 0.4866



19.3860, 0.2960, 0.3528



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.



48.7198, 0.2713, 0.4101



76.6993, 0.2672, 0.4307



49.0668, 0.2420, 0.3234



12.6357, 0.3044, 0.3400



27.8989, 0.2687, 0.4873



1.4545, 0.2593, 0.4534

Inverse Universe

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



22.8045, 0.3973, 0.2636



30.7398, 0.4252, 0.2543



22.2090, 0.4745, 0.3341



11.2989, 0.3218, 0.3183



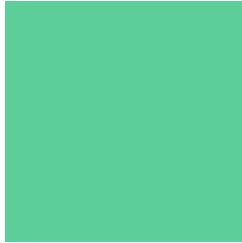
8.6156, 0.5092, 0.2579



0.4597, 0.4629, 0.2324

Previews

White Background



This preview shows how the Yxy color 48.7178, 0.2713, 0.4101 looks on a white background.

Color Contrast Check

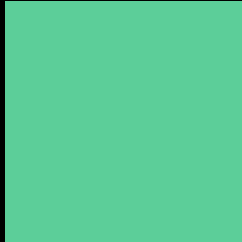
Large Text (above 18pt) WCAG AA × Fail

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 48.7178, 0.2713, 0.4101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

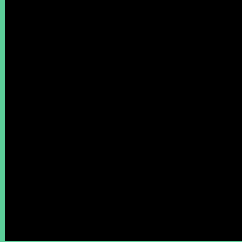
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7178, 0.2713, 0.4101

Background



This preview shows how black text looks on a background with the Yxy color 48.7178, 0.2713, 0.4101.

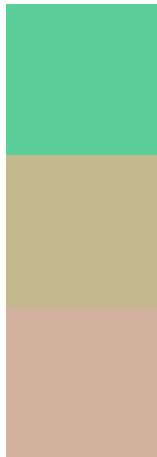


This preview shows how white text looks on a background with the Yxy color 48.7178, 0.2713, 0.4101.

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

48.7178, 0.2713, 0.4101

Protanopia

47.9999, 0.3568, 0.3817

Deuteranopia

47.7964, 0.3589, 0.3512



Tritanopia

48.5582, 0.2449, 0.3068

Trichromacy



Original Color

48.7178, 0.2713, 0.4101



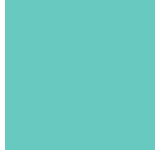
Protanomaly

47.0750, 0.3186, 0.3924



Deuteranomaly

46.7256, 0.3198, 0.3716



Tritanomaly

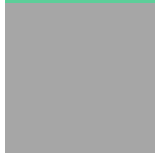
48.4626, 0.2539, 0.3418

Monochromacy



Original Color

48.7178, 0.2713, 0.4101



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.1099, 0.2932, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7178, 0.2713, 0.4101 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(92, 206, 153)` looks like.

```
.text, #text, p{  
    color:rgb(92, 206, 153)  
}
```

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(92, 206, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 206, 153) }
```

Border

The CSS property to change the border of an element to Yxy 48.7178, 0.2713, 0.4101 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(92, 206, 153) }
```

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

```
.border{ border-color:rgb(92, 206, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 206, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 206, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 206, 153);  
box-shadow:4px 4px 4px 4px rgb(92, 206,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7178, 0.2713, 0.4101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 206, 153) }
```

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

```
.background{ background-color: rgb(92, 206,  
153) }
```

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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