

Converting Colors

$Yxy(47.9055, 0.2622, 0.3803)$

Have a look what the booklet for
Yxy(47.9055, 0.2622, 0.3803)
contains.

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Color

Yxy(47.9036, 0.2622, 0.3803)

Conversions

Conversions Part 1

Format	Color
Hex	5DCBA9
RGB	93, 203, 169
RGB Percent	36%, 80%, 66%
CMY	0.6354, 0.2039, 0.3373
CMYK	0.54, 0.00, 0.17, 0.20
HSL	161°, 51%, 58%
HSV	161°, 54%, 80%
XYZ	33.0274, 47.9036, 45.0317
YIQ	166.2340, -54.6460, -33.8940

Conversions

Conversions Part 2

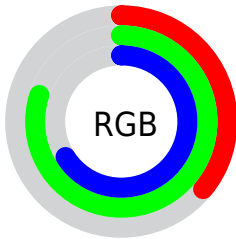
Format	Color
RYB	93, 158, 203
Decimal	6146985
CIELab	74.76, -39.71, 7.48
CIELCh	75, 40.404, 169.332
Yxy	47.9036, 0.2622, 0.3803
Android (android.graphics.Color)	4284337065 (0xFF5DCBA9)
YUV	166.2340, 1.3636, -64.2262
Hunter-Lab	69.2124, -35.9435, 9.8729

Details

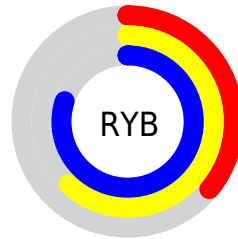
The Yxy color **47.9036, 0.2622, 0.3803** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **22.0531, 0.4201, 0.2862**, and the grayscale version is **38.2617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4811, 0.2708, 0.3648**, and **22.6584, 0.2475, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **46.7534, 0.2570, 0.3918**, and if you desaturate by 10%, it is **49.3501, 0.2691, 0.3693**.

Distribution



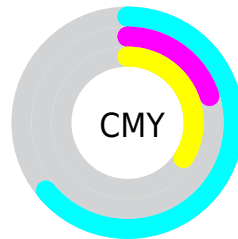
- Red (36%)
- Green (80%)
- Blue (66%)



- Red (36%)
- Yellow (62%)
- Blue (80%)



- Cyan (54%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)



- Cyan (64%)
- Magenta (20%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9036, 0.2622, 0.3803 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 47.9036, 0.2622, 0.3803 by changing the saturation by 10% instead.


 47.9036, 0.2622,
0.3803


 47.9036, 0.2622,
0.3803


378.4099, 0.2876,
0.3540

 33.7506, 0.2558,
0.3871


 87.0609, 0.2715,
0.3706


 22.7020, 0.2476,
0.3959


 112.8339, 0.2749,
0.3670

 14.3736, 0.2367,
0.4078


 143.2490, 0.2779,
0.3640

 8.3810, 0.2214,
0.4248

 178.6906, 0.2804,
0.3614

 4.3397, 0.1988,
0.4509

219.5431, 0.2826,
0.3592

 1.8653, 0.1563,
0.4992

266.1909, 0.2845,

 0.5274, 0.0000,

0.3572

0.9113

319.0183, 0.2861,
0.3555

0.0000, 0.0000,
0.0000

47.9036, 0.2622,
0.3803

47.9036, 0.2622,
0.3803

46.7534, 0.2570,
0.3918

49.3501, 0.2691,
0.3693

45.8707, 0.2536,
0.4035

51.1075, 0.2775,
0.3589

45.2310, 0.2523,
0.4153

53.1963, 0.2870,
0.3492

44.8023, 0.2529,
0.4270

55.6337, 0.2972,
0.3403

44.6164, 0.2538,
0.4338

58.4356, 0.3081,
0.3322

■ 61.6167, 0.3192,
0.3249

■ 65.1913, 0.3304,
0.3184

■ 69.1013, 0.3412,
0.3126

■ 69.4386, 0.3364,
0.3064

Harmonies

Analogous

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



47.9036, 0.3139, 0.4218



47.9036, 0.2622, 0.3803



47.9036, 0.2260, 0.3235

Triad

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



47.9036, 0.2622, 0.3803



47.9036, 0.2536, 0.2412



47.9036, 0.4246, 0.3674

Complementary

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



47.9036, 0.2622, 0.3803



22.0531, 0.4201, 0.2862

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.



47.9036, 0.4067, 0.3237



47.9036, 0.2622, 0.3803



47.9036, 0.3034, 0.2546

Square

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



47.9036, 0.2622, 0.3803



47.9036, 0.2219, 0.2474



47.9036, 0.3606, 0.2839



47.9036, 0.4092, 0.4067

Rectangle

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



47.9036, 0.2622, 0.3803



47.9036, 0.2142, 0.2894



47.9036, 0.3606, 0.2839



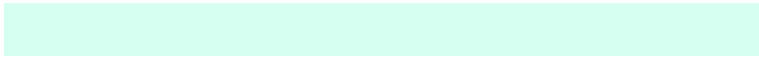
47.9036, 0.4224, 0.3529

Sweetspot

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



47.9055, 0.2622, 0.3803



92.2801, 0.2951, 0.3420



48.0807, 0.3279, 0.4895



19.5644, 0.2929, 0.3438



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.



47.9055, 0.2622, 0.3803



78.0037, 0.2563, 0.3937



40.4366, 0.2380, 0.2990



12.6657, 0.3024, 0.3363



28.4078, 0.2534, 0.4321



1.4787, 0.2471, 0.4094

Inverse Universe

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



22.0531, 0.4201, 0.2862



30.3548, 0.4584, 0.2805



25.3296, 0.4557, 0.3549



11.2699, 0.3242, 0.3219



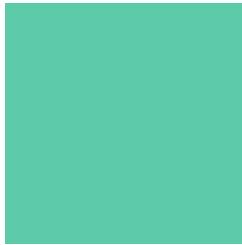
8.3213, 0.5710, 0.2919



0.4430, 0.5145, 0.2608

Previews

White Background



This preview shows how the Yxy color 47.9036, 0.2622, 0.3803 looks on a white background.

Color Contrast Check

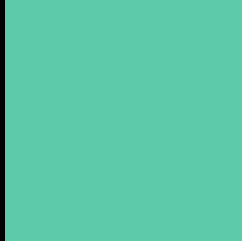
Large Text (above 18pt) WCAG AA × Fail

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 47.9036, 0.2622, 0.3803 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

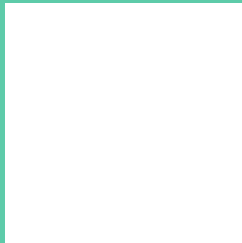
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.9036, 0.2622, 0.3803

Background



This preview shows how black text looks on a background with the Yxy color 47.9036, 0.2622, 0.3803.

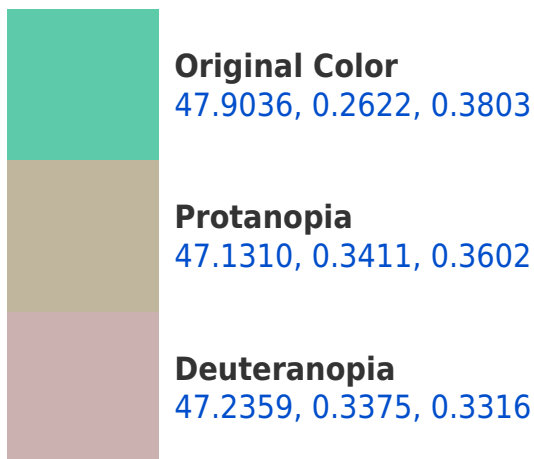


This preview shows how white text looks on a background with the Yxy color 47.9036, 0.2622, 0.3803.

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

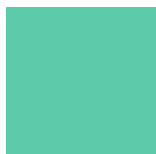




Tritanopia

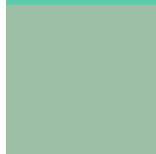
47.8624, 0.2437, 0.3066

Trichromacy



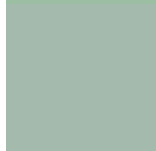
Original Color

47.9036, 0.2622, 0.3803



Protanomaly

46.5035, 0.3061, 0.3683



Deuteranomaly

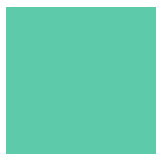
45.9215, 0.3037, 0.3468



Tritanomaly

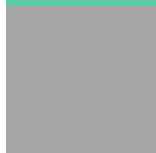
47.7028, 0.2502, 0.3317

Monochromacy



Original Color

47.9036, 0.2622, 0.3803



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.5192, 0.2887, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9036, 0.2622, 0.3803 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(93, 203, 169)` looks like.

```
.text, #text, p{  
    color:rgb(93, 203, 169)  
}
```

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(93, 203, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 203, 169) }
```

Border

The CSS property to change the border of an element to Yxy 47.9036, 0.2622, 0.3803 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(93, 203, 169) }
```

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

```
.border{ border-color:rgb(93, 203, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 203, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 203, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 203, 169);  
box-shadow:4px 4px 4px 4px rgb(93, 203,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9036, 0.2622, 0.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 203, 169) }
```

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

```
.background{ background-color: rgb(93, 203,  
169) }
```

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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