

Converting Colors

$Yxy(50.4520, 0.2792, 0.3868)$

Have a look what the booklet for
Yxy(50.4520, 0.2792, 0.3868)
contains.

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Color

Yxy(50.3723, 0.2794, 0.3871)

Conversions

Conversions Part 1

Format	Color
Hex	78CDA5
RGB	120, 205, 165
RGB Percent	47%, 80%, 65%
CMY	0.5298, 0.1960, 0.3530
CMYK	0.42, 0.00, 0.20, 0.20
HSL	152°, 46%, 64%
HSV	152°, 42%, 80%
XYZ	36.3576, 50.3723, 43.3975
YIQ	175.0250, -37.8200, -30.4600

Conversions

Conversions Part 2

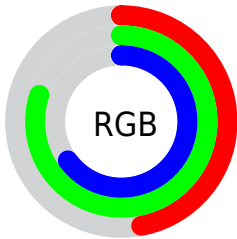
Format	Color
RYB	120, 176, 205
Decimal	7916965
CIELab	76.30, -34.88, 11.95
CIELCh	76, 36.865, 161.089
Yxy	50.3723, 0.2794, 0.3871
Android (android.graphics.Color)	4286107045 (0xFF78CDA5)
YUV	175.0250, -4.9423, -48.2569
Hunter-Lab	70.9734, -32.7633, 13.4279

Details

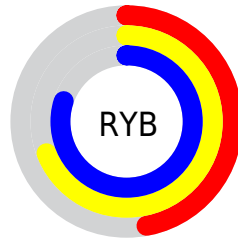
The Yxy color **50.3723, 0.2794, 0.3871** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.9278, 0.3677, 0.2783**, and the grayscale version is **42.9135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9174, 0.2854, 0.3683**, and **24.1288, 0.2694, 0.4046** is the 20% darker color. If you saturate the color by 10%, you get **48.7255, 0.2736, 0.4043**, and if you desaturate by 10%, it is **52.3634, 0.2864, 0.3710**.

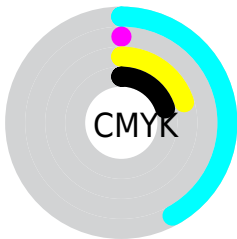
Distribution



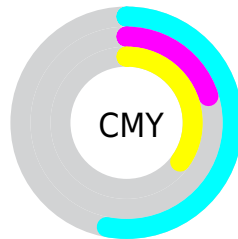
- Red (47%)
- Green (80%)
- Blue (65%)



- Red (47%)
- Yellow (69%)
- Blue (80%)



- Cyan (42%)
- Magenta (0%)
- Yellow (20%)
- Black (20%)




- Cyan (53%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3723, 0.2794, 0.3871 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 50.3723, 0.2794, 0.3871 by changing the saturation by 10% instead.

 50.3723, 0.2794,
0.3871


 50.3723, 0.2794,
0.3871


388.1201, 0.2964,
0.3573

 35.7093, 0.2751,
0.3948


 90.7262, 0.2856,
0.3761

 24.2098, 0.2695,
0.4048


 117.1860, 0.2880,
0.3720

 15.4893, 0.2619,
0.4183


 148.3468, 0.2899,
0.3686

 9.1635, 0.2512,
0.4377

184.5930, 0.2916,
0.3657

 4.8480, 0.2350,
0.4675

226.3090, 0.2930,
0.3631

 2.1583, 0.2076,
0.5187

273.8793, 0.2943,

 0.6971, 0.0000,

0.3609

1.0000

327.6882, 0.2954,
0.3590

■ 0.0000, 0.0000,
0.0000

■ 50.3723, 0.2794,
0.3871

■ 50.3723, 0.2794,
0.3871

■ 48.7255, 0.2736,
0.4043

■ 52.3634, 0.2864,
0.3710

■ 47.3960, 0.2692,
0.4223

■ 54.7116, 0.2943,
0.3562

■ 46.3627, 0.2667,
0.4407


■ 57.4366, 0.3027,
0.3428


■ 45.5992, 0.2661,
0.4591

■ 60.5547, 0.3114,
0.3307

■ 45.0738, 0.2675,
0.4771

■ 64.0813, 0.3202,
0.3200

 44.7673, 0.2699,
0.4917

 68.0310, 0.3289,
0.3105

 70.7857, 0.3310,
0.3015

 71.3504, 0.3240,
0.2922

 71.9456, 0.3172,
0.2831

Harmonies

Analogous

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



50.3723, 0.3281, 0.4168



50.3723, 0.2794, 0.3871



50.3723, 0.2416, 0.3384

Triad

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



50.3723, 0.2794, 0.3871



50.3723, 0.2496, 0.2491



50.3723, 0.4117, 0.3537

Complementary

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



50.3723, 0.2794, 0.3871



28.9278, 0.3677, 0.2783

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.



50.3723, 0.3876, 0.3141



50.3723, 0.2794, 0.3871



50.3723, 0.2910, 0.2564

Square

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



50.3723, 0.2794, 0.3871



50.3723, 0.2259, 0.2604



50.3723, 0.3420, 0.2796



50.3723, 0.4062, 0.3911

Rectangle

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



50.3723, 0.2794, 0.3871



50.3723, 0.2268, 0.3058



50.3723, 0.3420, 0.2796



50.3723, 0.4068, 0.3404

Sweetspot

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



50.3744, 0.2794, 0.3871



93.7588, 0.3021, 0.3436



52.6072, 0.3374, 0.4446



19.9352, 0.3010, 0.3453



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.



50.3744, 0.2794, 0.3871



80.0122, 0.2740, 0.4027



51.3912, 0.2560, 0.3269



12.6346, 0.3045, 0.3401



27.8828, 0.2692, 0.4893



1.4537, 0.2598, 0.4551

Inverse Universe

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



28.9278, 0.3677, 0.2783



40.1761, 0.3859, 0.2677



28.0891, 0.4178, 0.3311



11.3000, 0.3218, 0.3181



8.6294, 0.5067, 0.2565



0.4605, 0.4610, 0.2313

Previews

White Background



This preview shows how the Yxy color 50.3723, 0.2794, 0.3871 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 50.3723, 0.2794, 0.3871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

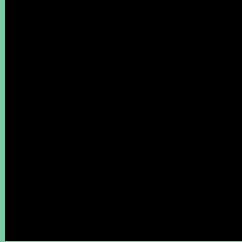
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3723, 0.2794, 0.3871

Background



This preview shows how black text looks on a background with the Yxy color 50.3723, 0.2794, 0.3871.



This preview shows how white text looks on a background with the Yxy color 50.3723, 0.2794, 0.3871.

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

50.3723, 0.2794, 0.3871

Protanopia

49.9467, 0.3470, 0.3683

Deuteranopia

49.7989, 0.3483, 0.3425



Tritanopia

50.1487, 0.2566, 0.3075

Trichromacy



Original Color

50.3723, 0.2794, 0.3871



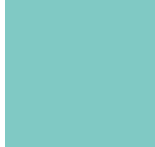
Protanomaly

49.6328, 0.3193, 0.3762



Deuteranomaly

49.1190, 0.3196, 0.3581



Tritanomaly

50.3480, 0.2651, 0.3358

Monochromacy



Original Color

50.3723, 0.2794, 0.3871



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.0266, 0.2987, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3723, 0.2794, 0.3871 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(120, 205, 165)` looks like.

```
.text, #text, p{  
    color:rgb(120, 205, 165)  
}
```

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(120, 205, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 205, 165) }
```

Border

The CSS property to change the border of an element to Yxy 50.3723, 0.2794, 0.3871 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(120, 205, 165) }
```

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

```
.border{ border-color:rgb(120, 205, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 205, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 205, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 205, 165); box-shadow:4px 4px 4px 4px rgb(120, 205, 165) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3723, 0.2794, 0.3871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 205, 165) }
```

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

```
.background{ background-color: rgb(120,  
205, 165) }
```

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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