

Converting Colors

$Y_{xy}(17.6126, 0.3797, 0.2471)$

Have a look what the booklet for
Yxy(17.6126, 0.3797, 0.2471)
contains.

Yxy(17.5527, 0.3791, 0.2459)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5527, 0.3791, 0.2459)

Conversions

Conversions Part 1

Format	Color
Hex	B74F8C
RGB	183, 79, 140
RGB Percent	72%, 31%, 55%
CMY	0.2823, 0.6902, 0.4510
CMYK	0.00, 0.57, 0.24, 0.28
HSL	325°, 42%, 51%
HSV	325°, 57%, 72%
XYZ	27.0607, 17.5527, 26.7680
YIQ	117.0500, 42.4030, 41.0190

Conversions

Conversions Part 2

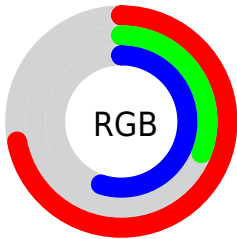
Format	Color
R_{YB}	183, 79, 140
Decimal	12013452
CIE _{Lab}	48.95, 48.98, -13.31
CIE _{LCh}	49, 50.753, 344.798
Yxy	17.5527, 0.3791, 0.2459
Android (android.graphics.Color)	4290203532 (0xFFB74F8C)
YUV	117.0500, 11.3143, 57.8381
Hunter-Lab	41.8959, 41.9758, -8.5543

Details

The Yxy color **17.5527, 0.3791, 0.2459** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **36.9426, 0.2788, 0.4350**, and the grayscale version is **17.7595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3709, 0.3638, 0.2633**, and **5.8240, 0.4042, 0.2162** is the 20% darker color. If you saturate the color by 10%, you get **15.0516, 0.3967, 0.2353**, and if you desaturate by 10%, it is **20.7976, 0.3632, 0.2591**.

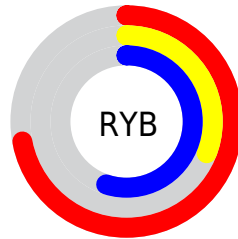
Distribution



Red (72%)

Green (31%)

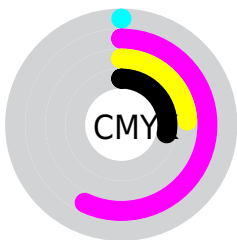
Blue (55%)



Red (72%)

Yellow (31%)

Blue (55%)

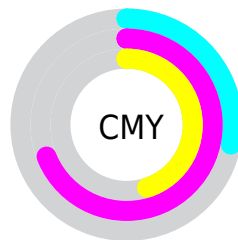


Cyan (0%)

Magenta (57%)

Yellow (24%)

Black (28%)



Cyan (28%)


Magenta (69%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5527, 0.3791, 0.2459 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 17.5527, 0.3791, 0.2459 by changing the saturation by 10% instead.


 17.5527, 0.3791,
0.2459


 17.5527, 0.3791,
0.2459


238.3376, 0.3421,
0.2911


 10.6293, 0.3898,
0.2333


 39.2736, 0.3647,
0.2633


 5.8182, 0.4045,
0.2164


 54.8400, 0.3595,
0.2695


 2.7348, 0.4259,
0.1926

 74.0562, 0.3553,
0.2746

 0.9949, 0.4597,
0.1569

 97.3065, 0.3518,
0.2790

 0.0000, 0.5798,
0.0000

 124.9754, 0.3489,
0.2827

 0.0000, 1.0000,
0.0000

157.4473, 0.3463,

 0.0000, 0.0000,

0.2859

0.0000

195.1066, 0.3441,
0.2887

■ 17.5527, 0.3791,
0.2459

■ 17.5527, 0.3791,
0.2459

■ 15.0516, 0.3967,
0.2353

■ 20.7976, 0.3632,
0.2591

■ 13.2300, 0.4154,
0.2284

■ 24.8384, 0.3491,
0.2739

■ 12.0174, 0.4346,
0.2262

■ 29.7252, 0.3369,
0.2892

■ 11.3146, 0.4535,
0.2291

■ 35.5036, 0.3266,
0.3045

■ 11.1378, 0.4595,
0.2305

■ 42.2155, 0.3178,
0.3193

■ 49.9006, 0.3106,
0.3333

■ 58.5959, 0.3045,
0.3465

■ 68.3367, 0.2994,
0.3586

■ 79.1565, 0.2952,
0.3698

Harmonies

Analogous

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



17.5527, 0.2795, 0.2051



17.5527, 0.3791, 0.2459



17.5527, 0.4682, 0.3034

Triad

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



17.5527, 0.3791, 0.2459



17.5527, 0.4086, 0.4957



17.5527, 0.1523, 0.2422

Complementary

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



17.5527, 0.3791, 0.2459



36.9426, 0.2788, 0.4350

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.



17.5527, 0.1751, 0.3283



17.5527, 0.3791, 0.2459



17.5527, 0.3201, 0.5074

Square

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



17.5527, 0.3791, 0.2459



17.5527, 0.4778, 0.4374



17.5527, 0.2343, 0.4388



17.5527, 0.1625, 0.1978

Rectangle

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



17.5527, 0.3791, 0.2459



17.5527, 0.4996, 0.3466



17.5527, 0.2343, 0.4388



17.5527, 0.1560, 0.2662

Sweetspot

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



17.5536, 0.3791, 0.2459



63.0802, 0.3270, 0.3039



13.0468, 0.2441, 0.1661



13.4506, 0.3289, 0.3008



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.5536, 0.3791, 0.2459



26.1029, 0.4009, 0.2333



16.3884, 0.4647, 0.3154



9.0982, 0.3199, 0.3157



7.7820, 0.4574, 0.2293



0.2863, 0.4134, 0.2051

Inverse Universe

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



17.5536, 0.3791, 0.2459



26.1029, 0.4009, 0.2333



38.5392, 0.2481, 0.3456



9.0982, 0.3199, 0.3157



7.7820, 0.4574, 0.2293



0.2863, 0.4134, 0.2051

Previews

White Background



This preview shows how the Yxy color 17.5527, 0.3791, 0.2459 looks on a white background.

Color Contrast Check

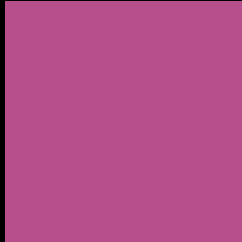
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.5527, 0.3791, 0.2459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

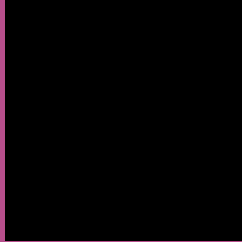
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.5527, 0.3791, 0.2459

Background



This preview shows how black text looks on a background with the Yxy color 17.5527, 0.3791, 0.2459.



This preview shows how white text looks on a background with the Yxy color 17.5527, 0.3791, 0.2459.

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

17.5527, 0.3791, 0.2459

Protanopia

17.7813, 0.2461, 0.2380

Deuteranopia

17.7489, 0.2969, 0.2917



Tritanopia

17.5547, 0.4428, 0.3208

Trichromacy



Original Color

17.5527, 0.3791, 0.2459

Protanomaly

16.7624, 0.2844, 0.2360

Deuteranomaly

16.9246, 0.3251, 0.2694

Tritanomaly

17.3480, 0.4201, 0.2922

Monochromacy



Original Color

17.5527, 0.3791, 0.2459

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

16.8439, 0.3368, 0.2904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5527, 0.3791, 0.2459 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(183, 79, 140)` looks like.

```
.text, #text, p{  
    color:rgb(183, 79, 140)  
}
```

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(183, 79, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 79, 140) }
```

Border

The CSS property to change the border of an element to Yxy 17.5527, 0.3791, 0.2459 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(183, 79, 140) }
```

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

```
.border{ border-color:rgb(183, 79, 140) }
```

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

Here you see how a box with a 4 pixel rgb(183, 79, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 79, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 79, 140);  
box-shadow:4px 4px 4px 4px rgb(183, 79,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5527, 0.3791, 0.2459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 79, 140) }
```

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

```
.background{ background-color: rgb(183, 79,  
140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor