

Converting Colors

$Y_{xy}(31.6552, 0.33380, 0.2722)$

Have a look what the booklet for
Yxy(31.6552, 0.3380, 0.2722)
contains.

Yxy(31.5074, 0.3380, 0.2723)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.5074, 0.3380, 0.2723)

Conversions

Conversions Part 1

Format	Color
Hex	C584B0
RGB	197, 132, 176
RGB Percent	77%, 52%, 69%
CMY	0.2275, 0.4823, 0.3098
CMYK	0.00, 0.33, 0.11, 0.23
HSL	319°, 36%, 65%
HSV	319°, 33%, 77%
XYZ	39.1094, 31.5074, 45.0916
YIQ	156.4510, 24.6160, 27.4640

Conversions

Conversions Part 2

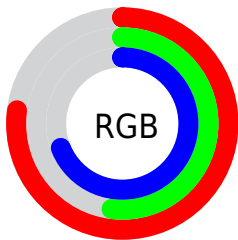
Format	Color
R_{YB}	197, 132, 176
Decimal	12944560
CIE _{Lab}	62.93, 31.66, -12.98
CIE _{LCh}	63, 34.220, 337.702
Yxy	31.5074, 0.3380, 0.2723
Android (android.graphics.Color)	4291134640 (0xFFC584B0)
YUV	156.4510, 9.6377, 35.5615
Hunter-Lab	56.1315, 26.1394, -8.3369

Details

The Yxy color **31.5074, 0.3380, 0.2723** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.1308, 0.2942, 0.3936**, and the grayscale version is **33.4063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2040, 0.3334, 0.2827**, and **13.0657, 0.3461, 0.2558** is the 20% darker color. If you saturate the color by 10%, you get **26.4146, 0.3484, 0.2551**, and if you desaturate by 10%, it is **37.6235, 0.3289, 0.2899**.

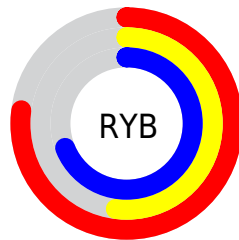
Distribution



Red (77%)

Green (52%)

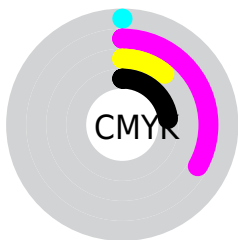
Blue (69%)



Red (77%)

Yellow (52%)

Blue (69%)

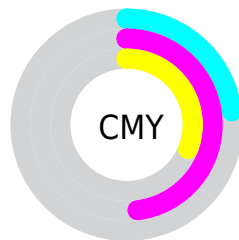


Cyan (0%)

Magenta (33%)

Yellow (11%)

Black (23%)



Cyan (23%)


Magenta (48%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5074, 0.3380, 0.2723 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 31.5074, 0.3380, 0.2723 by changing the saturation by 10% instead.


 31.5074, 0.3380,
0.2723


 31.5074, 0.3380,
0.2723


308.8691, 0.3252,
0.3011

 20.9855, 0.3412,
0.2650


 62.0380, 0.3333,
0.2829

 13.1134, 0.3454,
0.2555


 82.8156, 0.3316,
0.2868

 7.5067, 0.3511,
0.2428


 107.7805, 0.3301,
0.2901

 3.7810, 0.3590,
0.2249

137.3172, 0.3288,
0.2930

 1.5518, 0.3708,
0.1979

171.8100, 0.3277,
0.2954

 0.3248, 0.4059,
0.1193

211.6433, 0.3268,

 0.0000, 0.3442,

0.2976

0.0000

257.2016, 0.3259,
0.2994

0.0000, 0.0000,
0.0000

31.5074, 0.3380,
0.2723

31.5074, 0.3380,
0.2723

26.4146, 0.3484,
0.2551

37.6235, 0.3289,
0.2899

22.2837, 0.3601,
0.2393

44.8113, 0.3211,
0.3074

19.0536, 0.3729,
0.2257

53.1212, 0.3145,
0.3242

16.6539, 0.3865,
0.2156

62.5990, 0.3089,
0.3401

15.0040, 0.4005,
0.2099

73.2882, 0.3042,
0.3549

■ 14.0069, 0.4143,
0.2091

■ 85.2298, 0.3003,
0.3687

■ 13.5709, 0.4239,
0.2109

■ 88.5836, 0.2969,
0.3664

■ 88.9284, 0.2935,
0.3593

■ 89.2861, 0.2901,
0.3523

Harmonies

Analogous

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



31.5074, 0.2833, 0.2492



31.5074, 0.3380, 0.2723



31.5074, 0.3893, 0.3080

Triad

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



31.5074, 0.3380, 0.2723



31.5074, 0.3845, 0.4213



31.5074, 0.2171, 0.2930

Complementary

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



31.5074, 0.3380, 0.2723



47.1308, 0.2942, 0.3936

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.



31.5074, 0.2395, 0.3453



31.5074, 0.3380, 0.2723



31.5074, 0.3350, 0.4264

Square

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



31.5074, 0.3380, 0.2723



31.5074, 0.4162, 0.3913



31.5074, 0.2819, 0.3976



31.5074, 0.2177, 0.2574

Rectangle

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



31.5074, 0.3380, 0.2723



31.5074, 0.4123, 0.3358



31.5074, 0.2819, 0.3976



31.5074, 0.2221, 0.3091

Sweetspot

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



31.5088, 0.3380, 0.2723



84.2765, 0.3191, 0.3122



27.2693, 0.2728, 0.2370



17.6020, 0.3201, 0.3098



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.



31.5088, 0.3380, 0.2723



49.3191, 0.3458, 0.2591



30.3858, 0.3743, 0.3133



10.7561, 0.3186, 0.3135



8.9440, 0.4222, 0.2100



0.4363, 0.3961, 0.1956

Inverse Universe

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



31.5088, 0.3380, 0.2723



49.3191, 0.3458, 0.2591



48.3366, 0.2735, 0.3457



10.7561, 0.3186, 0.3135



8.9440, 0.4222, 0.2100



0.4363, 0.3961, 0.1956

Previews

White Background



This preview shows how the Yxy color 31.5074, 0.3380, 0.2723 looks on a white background.

Color Contrast Check

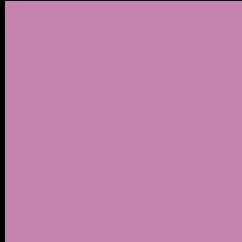
Large Text (above 18pt) WCAG AA × Fail

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 31.5074, 0.3380, 0.2723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

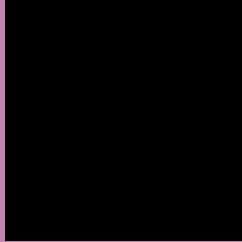
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5074, 0.3380, 0.2723

Background



This preview shows how black text looks on a background with the Yxy color 31.5074, 0.3380, 0.2723.



This preview shows how white text looks on a background with the Yxy color 31.5074, 0.3380, 0.2723.

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

31.5074, 0.3380, 0.2723

Protanopia

31.7366, 0.2735, 0.2734

Deuteranopia

31.7811, 0.2995, 0.2939



Tritanopia

31.4988, 0.3646, 0.3143

Trichromacy



Original Color

31.5074, 0.3380, 0.2723

Protanomaly

31.1937, 0.2945, 0.2724

Deuteranomaly

31.4716, 0.3127, 0.2855

Tritanomaly

31.3987, 0.3550, 0.2985

Monochromacy



Original Color

31.5074, 0.3380, 0.2723

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.1697, 0.3220, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5074, 0.3380, 0.2723 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(197, 132, 176)` looks like.

```
.text, #text, p{  
    color:rgb(197, 132, 176)  
}
```

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(197, 132, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 132, 176) }
```

Border

The CSS property to change the border of an element to Yxy 31.5074, 0.3380, 0.2723 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(197, 132, 176) }
```

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

```
.border{ border-color:rgb(197, 132, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 132, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 132, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 132, 176);  
box-shadow:4px 4px 4px 4px rgb(197, 132,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5074, 0.3380, 0.2723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 132, 176) }
```

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

```
.background{ background-color: rgb(197,  
132, 176) }
```

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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