

Converting Colors

$Y_{xy}(27.6313, 0.3228, 0.2694)$

Have a look what the booklet for
Yxy(27.6313, 0.3228, 0.2694)
contains.

Yxy(27.6877, 0.3232, 0.2703)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.6877, 0.3232, 0.2703)

Conversions

Conversions Part 1

Format	Color
Hex	B180AA
RGB	177, 128, 170
RGB Percent	69%, 50%, 67%
CMY	0.3059, 0.4980, 0.3333
CMYK	0.00, 0.28, 0.04, 0.31
HSL	309°, 24%, 60%
HSV	309°, 28%, 69%
XYZ	33.1064, 27.6877, 41.6391
YIQ	147.4390, 15.7220, 23.4500

Conversions

Conversions Part 2

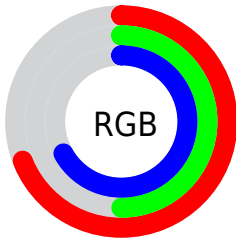
Format	Color
RYB	177, 128, 170
Decimal	11632810
CIELab	59.61, 25.91, -14.82
CIELCh	60, 29.849, 330.241
Yxy	27.6877, 0.3232, 0.2703
Android (android.graphics.Color)	4289822890 (0xFFB180AA)
YUV	147.4390, 11.1226, 25.9250
Hunter-Lab	52.6191, 20.2236, -10.0846

Details

The Yxy color **27.6877, 0.3232, 0.2703** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.7797, 0.3038, 0.3958**, and the grayscale version is **29.3177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8076, 0.3215, 0.2816**, and **11.0419, 0.3261, 0.2517** is the 20% darker color. If you saturate the color by 10%, you get **23.3728, 0.3278, 0.2491**, and if you desaturate by 10%, it is **32.8123, 0.3190, 0.2919**.

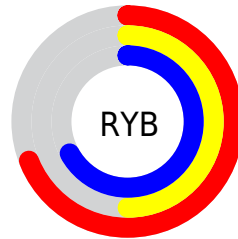
Distribution



Red (69%)

Green (50%)

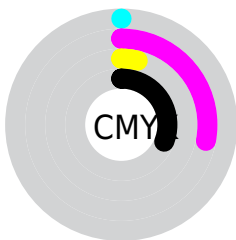
Blue (67%)



Red (69%)

Yellow (50%)

Blue (67%)

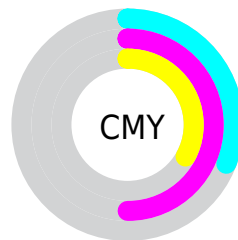


Cyan (0%)

Magenta (28%)

Yellow (4%)

Black (31%)



Cyan (31%)

Magenta (50%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6877, 0.3232, 0.2703 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 27.6877, 0.3232, 0.2703 by changing the saturation by 10% instead.


 27.6877, 0.3232,
0.2703


 27.6877, 0.3232,
0.2703


290.9716, 0.3181,
0.3007


 18.0904, 0.3244,
0.2624


 55.9855, 0.3214,
0.2816

 11.0149, 0.3259,
0.2520


 75.4547, 0.3207,
0.2858

 6.0769, 0.3277,
0.2378


 98.9833, 0.3201,
0.2893

 2.8919, 0.3299,
0.2174

126.9558, 0.3196,
0.2923

 1.0755, 0.3324,
0.1858

159.7564, 0.3192,
0.2948

 0.0000, 0.3742,
0.0000

197.7697, 0.3188,

 0.0000, 0.0000,

0.2971

0.0000

241.3799, 0.3184,
0.2990

■ 27.6877, 0.3232,
0.2703

■ 27.6877, 0.3232,
0.2703

■ 23.3728, 0.3278,
0.2491

■ 32.8123, 0.3190,
0.2919

■ 19.8220, 0.3329,
0.2291

■ 38.7816, 0.3153,
0.3132

■ 16.9909, 0.3382,
0.2112

■ 45.6333, 0.3120,
0.3337

■ 14.8292, 0.3436,
0.1964

■ 53.4013, 0.3092,
0.3531

■ 13.2797, 0.3490,
0.1855

■ 62.1183, 0.3067,
0.3713

■ 12.2762, 0.3543,
0.1788

■ 71.8148, 0.3047,
0.3881

■ 11.7151, 0.3592,
0.1763

■ 82.5202, 0.3029,
0.4035

■ 11.6067, 0.3603,
0.1759

■ 84.5916, 0.3015,
0.4036

■ 84.7029, 0.3002,
0.4006

Harmonies

Analogous

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



27.6877, 0.2748, 0.2526



27.6877, 0.3232, 0.2703



27.6877, 0.3722, 0.3010

Triad

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



27.6877, 0.3232, 0.2703



27.6877, 0.3877, 0.4084



27.6877, 0.2282, 0.3074

Complementary

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



27.6877, 0.3232, 0.2703



37.7797, 0.3038, 0.3958

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.



27.6877, 0.2541, 0.3566



27.6877, 0.3232, 0.2703



27.6877, 0.3456, 0.4189

Square

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



27.6877, 0.3232, 0.2703



27.6877, 0.4104, 0.3779



27.6877, 0.2966, 0.4001



27.6877, 0.2233, 0.2701

Rectangle

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



27.6877, 0.3232, 0.2703



27.6877, 0.3968, 0.3260



27.6877, 0.2966, 0.4001



27.6877, 0.2346, 0.3231

Sweetspot

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



27.6889, 0.3232, 0.2703



68.9383, 0.3154, 0.3122



23.7262, 0.2717, 0.2521



14.5781, 0.3160, 0.3091



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



27.6889, 0.3232, 0.2703



44.8738, 0.3259, 0.2577



26.8602, 0.3502, 0.3031



8.6255, 0.3158, 0.3097



8.4170, 0.3599, 0.1756



0.2705, 0.3475, 0.1688

Inverse Universe

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



27.6889, 0.3232, 0.2703



44.8738, 0.3259, 0.2577



38.5354, 0.2858, 0.3567



8.6255, 0.3158, 0.3097



8.4170, 0.3599, 0.1756



0.2705, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 27.6877, 0.3232, 0.2703 looks on a white background.

Color Contrast Check

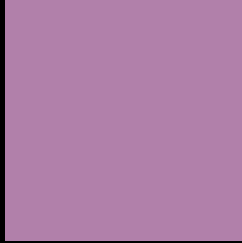
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6877, 0.3232, 0.2703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

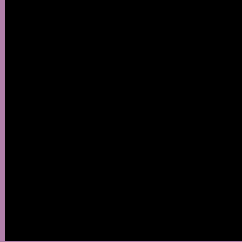
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6877, 0.3232, 0.2703

Background



This preview shows how black text looks on a background with the Yxy color 27.6877, 0.3232, 0.2703.



This preview shows how white text looks on a background with the Yxy color 27.6877, 0.3232, 0.2703.

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

27.6877, 0.3232, 0.2703

Protanopia

27.7922, 0.2715, 0.2704

Deuteranopia

27.6943, 0.2921, 0.2858



Tritanopia

27.6425, 0.3478, 0.3144

Trichromacy



Original Color

27.6877, 0.3232, 0.2703

Protanomaly

27.5099, 0.2887, 0.2705

Deuteranomaly

27.6410, 0.3023, 0.2797

Tritanomaly

27.5312, 0.3381, 0.2971

Monochromacy



Original Color

27.6877, 0.3232, 0.2703

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.3918, 0.3170, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6877, 0.3232, 0.2703 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(177, 128, 170)` looks like.

```
.text, #text, p{  
    color:rgb(177, 128, 170)  
}
```

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(177, 128, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 128, 170) }
```

Border

The CSS property to change the border of an element to Yxy 27.6877, 0.3232, 0.2703 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(177, 128, 170) }
```

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

```
.border{ border-color:rgb(177, 128, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 128, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 128, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 128, 170);  
box-shadow:4px 4px 4px 4px rgb(177, 128,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6877, 0.3232, 0.2703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 128, 170) }
```

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

```
.background{ background-color: rgb(177,  
128, 170) }
```

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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