

Converting Colors

$Y_{xy}(30.9631, 0.2648, 0.1883)$

Have a look what the booklet for
Yxy(30.9631, 0.2648, 0.1883)
contains.

Yxy(30.8259, 0.2644, 0.1876)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.8259, 0.2644, 0.1876)

Conversions

Conversions Part 1

Format	Color
Hex	B97AF5
RGB	185, 122, 245
RGB Percent	73%, 48%, 96%
CMY	0.2746, 0.5215, 0.0392
CMYK	0.24, 0.50, 0.00, 0.04
HSL	271°, 86%, 72%
HSV	271°, 50%, 96%
XYZ	43.4455, 30.8259, 90.0458
YIQ	154.8590, -1.9350, 51.6090

Conversions

Conversions Part 2

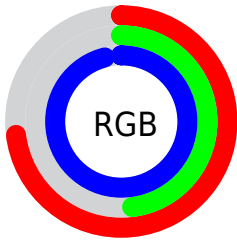
Format	Color
R _Y B	185, 122, 245
Decimal	12155637
CIE Lab	62.36, 47.40, -52.62
CIE LCh	62, 70.823, 312.008
Yxy	30.8259, 0.2644, 0.1876
Android (android.graphics.Color)	4290345717 (0xFFB97AF5)
YUV	154.8590, 44.4395, 26.4337
Hunter-Lab	55.5211, 42.5151, -57.2936

Details

The Yxy color **30.8259, 0.2644, 0.1876** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **76.6584, 0.3415, 0.4720**, and the grayscale version is **32.5144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3254, 0.3069, 0.2494**, and **12.8044, 0.2481, 0.1558** is the 20% darker color. If you saturate the color by 10%, you get **24.1246, 0.2516, 0.1595**, and if you desaturate by 10%, it is **39.1709, 0.2764, 0.2172**.

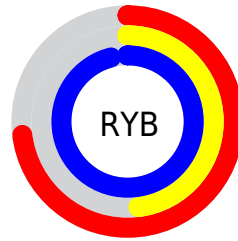
Distribution



Red (73%)

Green (48%)

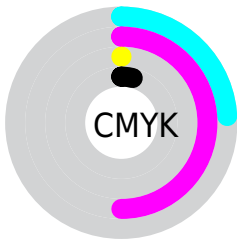
Blue (96%)



Red (73%)

Yellow (48%)

Blue (96%)

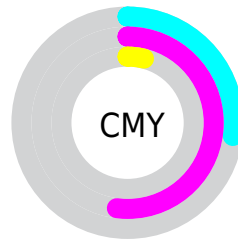


Cyan (24%)

Magenta (50%)

Yellow (0%)

Black (4%)



Cyan (27%)


Magenta (52%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8259, 0.2644, 0.1876 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 30.8259, 0.2644, 0.1876 by changing the saturation by 10% instead.

 30.8259, 0.2644,
0.1876


 30.8259, 0.2644,
0.1876


305.7354, 0.2914,
0.2535

 20.4663, 0.2571,
0.1729


 60.9659, 0.2747,
0.2103

 12.7345, 0.2477,
0.1552


 81.5150, 0.2784,
0.2192

 7.2460, 0.2349,
0.1336


 106.2295, 0.2815,
0.2269

 3.6164, 0.2170,
0.1072

135.4937, 0.2841,
0.2336

 1.4614, 0.1912,
0.0753

169.6920, 0.2863,
0.2395

 0.2613, 0.1548,
0.0263

209.2088, 0.2882,


 0.0000, 0.0793,


0.2447

0.0000


254.4285, 0.2899,
0.2494

 0.0000, 0.0000,
0.0000


 30.8259, 0.2644,
0.1876


 30.8259, 0.2644,
0.1876


 24.1246, 0.2516,
0.1595

 39.1709, 0.2764,
0.2172

 18.9442, 0.2385,
0.1346

 49.2630, 0.2874,
0.2470


 15.1495, 0.2256,
0.1140

 61.2014, 0.2970,
0.2759

 12.5787, 0.2136,
0.0990

 75.0762, 0.3054,
0.3032

 10.9864, 0.2030,
0.0892

 90.9720, 0.3126,
0.3285

99.3726, 0.3185,
0.3386

Harmonies

Analogous

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



30.8259, 0.1847, 0.1710



30.8259, 0.2644, 0.1876



30.8259, 0.3772, 0.2300

Triad

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



30.8259, 0.2644, 0.1876



30.8259, 0.5022, 0.4377



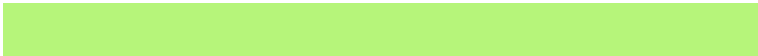
30.8259, 0.1611, 0.3375

Complementary

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



30.8259, 0.2644, 0.1876



76.6584, 0.3415, 0.4720

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.



30.8259, 0.2291, 0.4698



30.8259, 0.2644, 0.1876



30.8259, 0.4248, 0.5109

Square

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



30.8259, 0.2644, 0.1876



30.8259, 0.5307, 0.3616



30.8259, 0.3261, 0.5401



30.8259, 0.1344, 0.2350

Rectangle

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



30.8259, 0.2644, 0.1876



30.8259, 0.4531, 0.2694



30.8259, 0.3261, 0.5401



30.8259, 0.1792, 0.3818

Sweetspot

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



30.8271, 0.2644, 0.1876



74.6073, 0.3015, 0.2903



44.8070, 0.2318, 0.2500



15.2908, 0.2997, 0.2845



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.



30.8271, 0.2644, 0.1876



26.4671, 0.2517, 0.1597



39.9270, 0.3184, 0.2081



16.3439, 0.3060, 0.3051



6.0014, 0.2046, 0.0901



0.5886, 0.2180, 0.0975

Inverse Universe

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



36.7129, 0.3836, 0.2654



33.9235, 0.4054, 0.2552



70.8487, 0.3052, 0.4893



16.6173, 0.3217, 0.3175



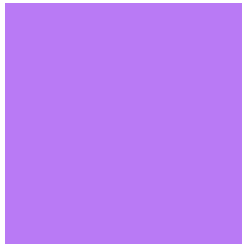
11.2104, 0.5011, 0.2534



1.0060, 0.4725, 0.2377

Previews

White Background



This preview shows how the Yxy color 30.8259, 0.2644, 0.1876 looks on a white background.

Color Contrast Check

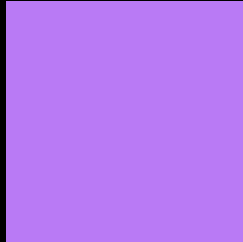
Large Text (above 18pt) WCAG AA × Fail

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 30.8259, 0.2644, 0.1876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

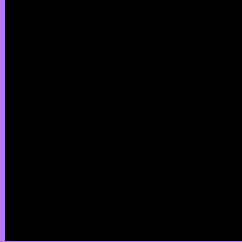
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8259, 0.2644, 0.1876

Background



This preview shows how black text looks on a background with the Yxy color 30.8259, 0.2644, 0.1876.



This preview shows how white text looks on a background with the Yxy color 30.8259, 0.2644, 0.1876.

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

30.8259, 0.2644, 0.1876

Protanopia

31.0907, 0.2089, 0.1893

Deuteranopia

31.1900, 0.2152, 0.2089



Tritanopia

30.7481, 0.3283, 0.3130

Trichromacy



Original Color

30.8259, 0.2644, 0.1876



Protanomaly

30.2103, 0.2247, 0.1868



Deuteranomaly

30.0126, 0.2288, 0.1975



Tritanomaly

30.3531, 0.3027, 0.2584

Monochromacy



Original Color

30.8259, 0.2644, 0.1876



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.3828, 0.2939, 0.2664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8259, 0.2644, 0.1876 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(185, 122, 245)` looks like.

```
.text, #text, p{  
    color:rgb(185, 122, 245)  
}
```

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(185, 122, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 122, 245) }
```

Border

The CSS property to change the border of an element to Yxy 30.8259, 0.2644, 0.1876 is called "border". The border property can be set on classes, ids or directly on the HTML element.

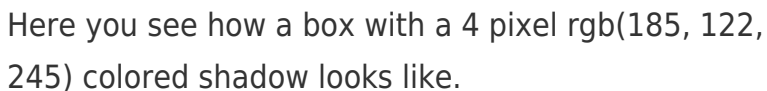
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 122, 245) }
```

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

```
.border{ border-color:rgb(185, 122, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 122, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 122, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 122, 245);  
box-shadow:4px 4px 4px 4px rgb(185, 122,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8259, 0.2644, 0.1876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 122, 245) }
```

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

```
.background{ background-color: rgb(185,  
122, 245) }
```

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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