

Converting Colors

$Y_{xy}(28.7810, 0.2652, 0.1797)$

Have a look what the booklet for
Yxy(28.7810, 0.2652, 0.1797)
contains.

Yxy(28.7810, 0.2652, 0.1797)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.7810, 0.2652, 0.1797)

Conversions

Conversions Part 1

Format	Color
Hex	BA71F4
RGB	186, 113, 244
RGB Percent	73%, 44%, 96%
CMY	0.2708, 0.5567, 0.0431
CMYK	0.24, 0.54, 0.00, 0.04
HSL	273°, 86%, 70%
HSV	273°, 54%, 96%
XYZ	42.4748, 28.7810, 88.9056
YIQ	149.7610, 1.4570, 56.2170

Conversions

Conversions Part 2

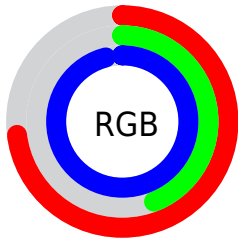
Format	Color
R _Y B	186, 113, 244
Decimal	12218868
CIE Lab	60.59, 52.15, -54.89
CIE LCh	61, 75.708, 313.535
Yxy	28.7810, 0.2652, 0.1797
Android (android.graphics.Color)	4290408948 (0xFFBA71F4)
YUV	149.7610, 46.4598, 31.7816
Hunter-Lab	53.6479, 47.4404, -60.7021

Details

The Yxy color **28.7810, 0.2652, 0.1797** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **74.5627, 0.3386, 0.4842**, and the grayscale version is **30.1937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2699, 0.3087, 0.2410**, and **11.5925, 0.2477, 0.1458** is the 20% darker color. If you saturate the color by 10%, you get **22.7451, 0.2534, 0.1533**, and if you desaturate by 10%, it is **36.3850, 0.2764, 0.2082**.

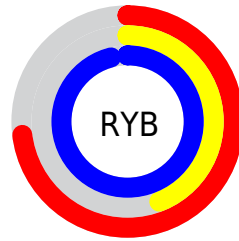
Distribution



Red (73%)

Green (44%)

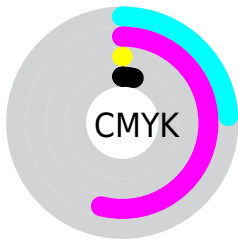
Blue (96%)



Red (73%)

Yellow (44%)

Blue (96%)

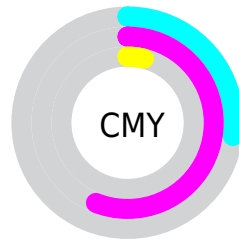


Cyan (24%)

Magenta (54%)

Yellow (0%)

Black (4%)



Cyan (27%)


Magenta (56%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7810, 0.2652, 0.1797 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 28.7810, 0.2652, 0.1797 by changing the saturation by 10% instead.


 28.7810, 0.2652,
0.1797


 28.7810, 0.2652,
0.1797


296.1803, 0.2923,
0.2492


 18.9152, 0.2578,
0.1644


 57.7290, 0.2756,
0.2035

 11.6090, 0.2480,
0.1459


 77.5799, 0.2794,
0.2129

 6.4781, 0.2348,
0.1236


 101.5281, 0.2825,
0.2210

 3.1379, 0.2162,
0.0965

129.9578, 0.2851,
0.2281

 1.2041, 0.1892,
0.0646

163.2534, 0.2873,
0.2343

 0.0651, 0.1526,
0.0069

201.7995, 0.2892,


 0.0000, 0.0667,


0.2399


0.0000


245.9803, 0.2909,
0.2448


 0.0000, 0.0000,
0.0000

 28.7810, 0.2652,
0.1797


 28.7810, 0.2652,
0.1797

 22.7451, 0.2534,
0.1533


 36.3850, 0.2764,
0.2082


 18.1514, 0.2413,
0.1306


 45.6626, 0.2866,
0.2375

 14.8597, 0.2296,
0.1125

 56.7142, 0.2958,
0.2664

 12.6978, 0.2187,
0.0999

 69.6308, 0.3037,
0.2941

 11.7536, 0.2122,
0.0943

 84.4971, 0.3105,
0.3200

98.5316, 0.3165,
0.3396

99.3118, 0.3191,
0.3395

Harmonies

Analogous

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



28.7810, 0.1786, 0.1606



28.7810, 0.2652, 0.1797



28.7810, 0.3890, 0.2254

Triad

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



28.7810, 0.2652, 0.1797



28.7810, 0.5109, 0.4449



28.7810, 0.1470, 0.3295

Complementary

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



28.7810, 0.2652, 0.1797



74.5627, 0.3386, 0.4842

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.



28.7810, 0.2158, 0.4783



28.7810, 0.2652, 0.1797



28.7810, 0.4240, 0.5263

Square

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



28.7810, 0.2652, 0.1797



28.7810, 0.5485, 0.3638



28.7810, 0.3179, 0.5603



28.7810, 0.1222, 0.2219

Rectangle

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



28.7810, 0.2652, 0.1797



28.7810, 0.4715, 0.2673



28.7810, 0.3179, 0.5603



28.7810, 0.1648, 0.3782

Sweetspot

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



28.7821, 0.2652, 0.1797



73.4045, 0.3019, 0.2877



39.5376, 0.2247, 0.2344



15.0662, 0.3003, 0.2820



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.



28.7821, 0.2652, 0.1797



24.8658, 0.2528, 0.1522



37.1918, 0.3248, 0.2063



16.3817, 0.3067, 0.3052



6.4732, 0.2138, 0.0951



0.6298, 0.2265, 0.1022

Inverse Universe

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



33.9942, 0.3981, 0.2676



31.5649, 0.4247, 0.2590



69.5612, 0.3018, 0.4936



16.6046, 0.3224, 0.3186



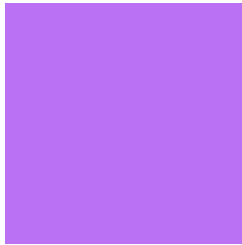
11.0749, 0.5200, 0.2638



0.9937, 0.4889, 0.2467

Previews

White Background



This preview shows how the Yxy color 28.7810, 0.2652, 0.1797 looks on a white background.

Color Contrast Check

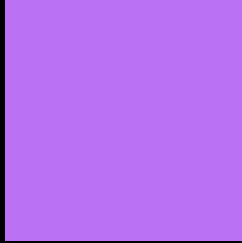
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7810, 0.2652, 0.1797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

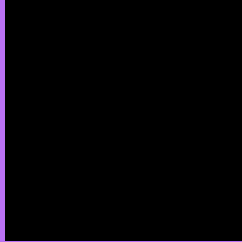
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7810, 0.2652, 0.1797

Background



This preview shows how black text looks on a background with the Yxy color 28.7810, 0.2652, 0.1797.



This preview shows how white text looks on a background with the Yxy color 28.7810, 0.2652, 0.1797.

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

28.7810, 0.2652, 0.1797

Protanopia

29.2978, 0.2031, 0.1826

Deuteranopia

29.2060, 0.2094, 0.2036



Tritanopia

28.5755, 0.3379, 0.3128

Trichromacy



Original Color

28.7810, 0.2652, 0.1797



Protanomaly

28.0568, 0.2195, 0.1782



Deuteranomaly

28.0548, 0.2242, 0.1906



Tritanomaly

28.0873, 0.3087, 0.2538

Monochromacy



Original Color

28.7810, 0.2652, 0.1797



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

29.1385, 0.2944, 0.2623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7810, 0.2652, 0.1797 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(186, 113, 244)` looks like.

```
.text, #text, p{  
    color:rgb(186, 113, 244)  
}
```

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(186, 113, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 113, 244) }
```

Border

The CSS property to change the border of an element to Yxy 28.7810, 0.2652, 0.1797 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(186, 113, 244) }
```

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

```
.border{ border-color:rgb(186, 113, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 113, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 113, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 113, 244); box-shadow:4px 4px 4px 4px rgb(186, 113, 244) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7810, 0.2652, 0.1797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 113, 244) }
```

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

```
.background{ background-color: rgb(186,  
113, 244) }
```

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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