

Converting Colors

$Y_{xy}(30.8001, 0.2617, 0.1828)$

Have a look what the booklet for
Yxy(30.8001, 0.2617, 0.1828)
contains.

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Color

Yxy(30.7116, 0.2623, 0.1828)

Conversions

Conversions Part 1

Format	Color
Hex	BA78F9
RGB	186, 120, 249
RGB Percent	73%, 47%, 98%
CMY	0.2705, 0.5294, 0.0235
CMYK	0.25, 0.52, 0.00, 0.02
HSL	271°, 91%, 72%
HSV	271°, 52%, 98%
XYZ	44.0681, 30.7116, 93.2268
YIQ	154.4400, -2.0730, 54.1110

Conversions

Conversions Part 2

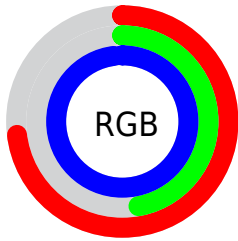
Format	Color
R _Y B	186, 120, 249
Decimal	12220665
CIE _{Lab}	62.26, 49.65, -54.98
CIE _{LCh}	62, 74.076, 312.083
Yxy	30.7116, 0.2623, 0.1828
Android (android.graphics.Color)	4290410745 (0xFFBA78F9)
YUV	154.4400, 46.6181, 27.6781
Hunter-Lab	55.4180, 44.9606, -60.9478

Details

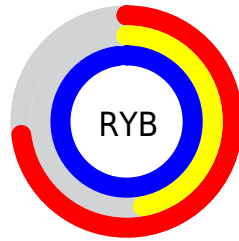
The Yxy color **30.7116, 0.2623, 0.1828** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **79.1709, 0.3421, 0.4769**, and the grayscale version is **32.3110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9046, 0.3085, 0.2478**, and **12.6071, 0.2443, 0.1493** is the 20% darker color. If you saturate the color by 10%, you get **24.0241, 0.2494, 0.1551**, and if you desaturate by 10%, it is **39.0878, 0.2745, 0.2123**.

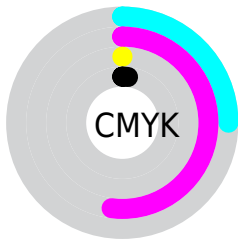
Distribution



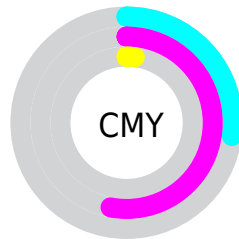
- Red (73%)
- Green (47%)
- Blue (98%)



- Red (73%)
- Yellow (47%)
- Blue (98%)



- Cyan (25%)
- Magenta (52%)
- Yellow (0%)
- Black (2%)





- Cyan (27%)
- Magenta (53%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7116, 0.2623, 0.1828 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 30.7116, 0.2623, 0.1828 by changing the saturation by 10% instead.


 30.7116, 0.2623,
0.1828


 30.7116, 0.2623,
0.1828

305.2075, 0.2904,
0.2505


 20.3793, 0.2548,
0.1679


 60.7857, 0.2730,
0.2060

 12.6711, 0.2450,
0.1500


 81.2964, 0.2769,
0.2151

 7.2024, 0.2318,
0.1283


 105.9686, 0.2801,
0.2230

 3.5890, 0.2135,
0.1020

135.1868, 0.2828,
0.2299

 1.4464, 0.1874,
0.0707

169.3354, 0.2851,
0.2360

 0.2506, 0.1509,
0.0235

208.7988, 0.2872,


 0.0000, 0.0810,


0.2414


0.0000

253.9614, 0.2889,
0.2462

 0.0000, 0.0000,
0.0000

 30.7116, 0.2623,
0.1828


 30.7116, 0.2623,
0.1828

 24.0241, 0.2494,
0.1551


 39.0878, 0.2745,
0.2123


 18.8952, 0.2363,
0.1308


 49.2623, 0.2856,
0.2421

 15.1806, 0.2235,
0.1111

 61.3396, 0.2955,
0.2713

 12.7059, 0.2116,
0.0969

 75.4147, 0.3041,
0.2989

 11.3855, 0.2029,
0.0891

 91.5764, 0.3115,
0.3246

99.6195, 0.3162,
0.3347

Harmonies

Analogous

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



30.7116, 0.1801, 0.1656



30.7116, 0.2623, 0.1828



30.7116, 0.3801, 0.2263

Triad

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



30.7116, 0.2623, 0.1828



30.7116, 0.5083, 0.4396



30.7116, 0.1550, 0.3368

Complementary

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



30.7116, 0.2623, 0.1828



79.1709, 0.3421, 0.4769

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.



30.7116, 0.2245, 0.4772



30.7116, 0.2623, 0.1828



30.7116, 0.4269, 0.5172

Square

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



30.7116, 0.2623, 0.1828



30.7116, 0.5397, 0.3610



30.7116, 0.3246, 0.5506



30.7116, 0.1283, 0.2302

Rectangle

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



30.7116, 0.2623, 0.1828



30.7116, 0.4598, 0.2668



30.7116, 0.3246, 0.5506



30.7116, 0.1734, 0.3835

Sweetspot

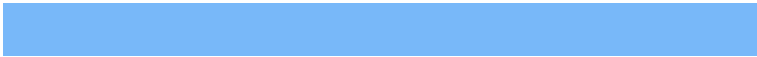
The Sweet Spot groups the original color and five complimentary colors.



30.7128, 0.2623, 0.1828



73.0906, 0.3007, 0.2875



45.3199, 0.2293, 0.2469



14.9914, 0.2989, 0.2818



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.



30.7128, 0.2623, 0.1828



25.1944, 0.2490, 0.1544



40.4107, 0.3185, 0.2047



17.0797, 0.3060, 0.3051



6.1794, 0.2045, 0.0900



0.6354, 0.2172, 0.0970

Inverse Universe

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



36.9890, 0.3870, 0.2635



32.8501, 0.4100, 0.2534



73.0996, 0.3049, 0.4952



17.3665, 0.3217, 0.3175



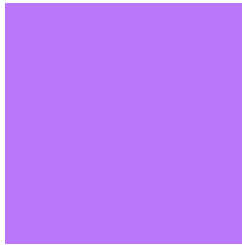
11.5553, 0.5013, 0.2535



1.0916, 0.4740, 0.2385

Previews

White Background



This preview shows how the Yxy color 30.7116, 0.2623, 0.1828 looks on a white background.

Color Contrast Check

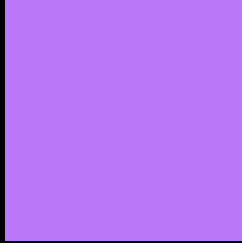
Large Text (above 18pt) WCAG AA × Fail

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 30.7116, 0.2623, 0.1828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

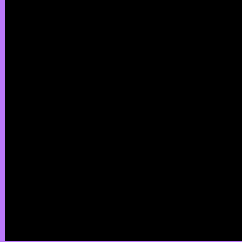
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7116, 0.2623, 0.1828

Background



This preview shows how black text looks on a background with the Yxy color 30.7116, 0.2623, 0.1828.



This preview shows how white text looks on a background with the Yxy color 30.7116, 0.2623, 0.1828.

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

30.7116, 0.2623, 0.1828

Protanopia

31.0305, 0.2085, 0.1892

Deuteranopia

31.0911, 0.2106, 0.2042



Tritanopia

30.4465, 0.3284, 0.3115

Trichromacy



Original Color

30.7116, 0.2623, 0.1828



Protanomaly

30.0515, 0.2235, 0.1840



Deuteranomaly

30.0159, 0.2249, 0.1933



Tritanomaly

30.1160, 0.3018, 0.2558

Monochromacy



Original Color

30.7116, 0.2623, 0.1828



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

31.1271, 0.2930, 0.2637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7116, 0.2623, 0.1828 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, 120, 249)` looks like.

```
.text, #text, p{  
    color:rgb(186, 120, 249)  
}
```

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, 120, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 120, 249) }
```

Border

The CSS property to change the border of an element to Yxy 30.7116, 0.2623, 0.1828 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, 120, 249) }
```

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

```
.border{ border-color:rgb(186, 120, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 120, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 120, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 120, 249); box-shadow:4px 4px 4px 4px rgb(186, 120, 249) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7116, 0.2623, 0.1828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 120, 249) }
```

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

```
.background{ background-color: rgb(186,  
120, 249) }
```

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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