

Converting Colors

$Y_{xy}(29.6008, 0.2852, 0.2176)$

Have a look what the booklet for
Yxy(29.6008, 0.2852, 0.2176)
contains.

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Color

Yxy(29.7731, 0.2853, 0.2177)

Conversions

Conversions Part 1

Format	Color
Hex	B67ED7
RGB	182, 126, 215
RGB Percent	71%, 49%, 84%
CMY	0.2862, 0.5059, 0.1569
CMYK	0.15, 0.41, 0.00, 0.16
HSL	278°, 53%, 67%
HSV	278°, 41%, 84%
XYZ	39.0182, 29.7731, 67.9707
YIQ	152.8900, 4.8070, 39.5510

Conversions

Conversions Part 2

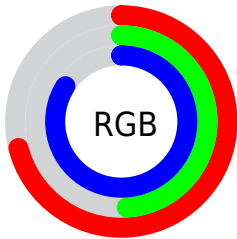
Format	Color
R_{YB}	182, 126, 215
Decimal	11960023
CIE _{Lab}	61.46, 37.73, -37.38
CIE _{LCh}	61, 53.114, 315.268
Yxy	29.7731, 0.2853, 0.2177
Android (android.graphics.Color)	4290150103 (0xFFB67ED7)
YUV	152.8900, 30.6202, 25.5295
Hunter-Lab	54.5647, 32.1537, -35.6616

Details

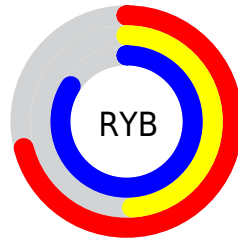
The Yxy color **29.7731, 0.2853, 0.2177** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **57.4690, 0.3298, 0.4475**, and the grayscale version is **31.6688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2132, 0.3038, 0.2527**, and **12.0822, 0.2737, 0.1877** is the 20% darker color. If you saturate the color by 10%, you get **23.9117, 0.2763, 0.1902**, and if you desaturate by 10%, it is **36.8735, 0.2935, 0.2459**.

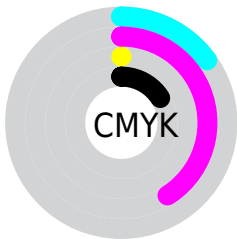
Distribution



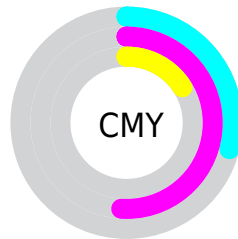
- Red (71%)
- Green (49%)
- Blue (84%)



- Red (71%)
- Yellow (49%)
- Blue (84%)



- Cyan (15%)
- Magenta (41%)
- Yellow (0%)
- Black (16%)





- Cyan (29%)
- Magenta (51%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7731, 0.2853, 0.2177 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 29.7731, 0.2853, 0.2177 by changing the saturation by 10% instead.

 29.7731, 0.2853,
0.2177

 29.7731, 0.2853,
0.2177


300.8454, 0.3012,
0.2720

 19.6664, 0.2807,
0.2048


 59.3032, 0.2916,
0.2370

 12.1528, 0.2745,
0.1887


 79.4953, 0.2938,
0.2444

 6.8478, 0.2656,
0.1682


 103.8182, 0.2956,
0.2507

 3.3671, 0.2524,
0.1414

132.6560, 0.2971,
0.2561

 1.3263, 0.2314,
0.1061

166.3932, 0.2984,
0.2609

 0.1614, 0.2016,
0.0297

205.4143, 0.2995,

 0.0000, 0.0128,

0.2650

0.0000

250.1035, 0.3004,
0.2687

0.0000, 0.0000,
0.0000

29.7731, 0.2853,
0.2177

29.7731, 0.2853,
0.2177

23.9117, 0.2763,
0.1902

36.8735, 0.2935,
0.2459

19.2083, 0.2666,
0.1647

45.2796, 0.3006,
0.2737

15.5778, 0.2565,
0.1423


55.0578, 0.3068,
0.3005


12.9214, 0.2465,
0.1243

66.2688, 0.3121,
0.3257


11.1214, 0.2368,
0.1112


78.9695, 0.3164,
0.3489

 10.0830, 0.2289,
0.1035

 93.2137, 0.3200,
0.3701

 94.5645, 0.3251,
0.3695

 95.9725, 0.3303,
0.3689

 97.4422, 0.3355,
0.3682

Harmonies

Analogous

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



29.7731, 0.2168, 0.2016



29.7731, 0.2853, 0.2177



29.7731, 0.3731, 0.2555

Triad

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



29.7731, 0.2853, 0.2177



29.7731, 0.4606, 0.4302



29.7731, 0.1894, 0.3284

Complementary

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



29.7731, 0.2853, 0.2177



57.4690, 0.3298, 0.4475

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.



29.7731, 0.2433, 0.4226



29.7731, 0.2853, 0.2177



29.7731, 0.3998, 0.4783

Square

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



29.7731, 0.2853, 0.2177



29.7731, 0.4824, 0.3692



29.7731, 0.3204, 0.4831



29.7731, 0.1680, 0.2524

Rectangle

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



29.7731, 0.2853, 0.2177



29.7731, 0.4281, 0.2897



29.7731, 0.3204, 0.4831



29.7731, 0.2039, 0.3598

Sweetspot

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



29.7743, 0.2853, 0.2177



79.9190, 0.3064, 0.2986



34.5221, 0.2439, 0.2517



16.6785, 0.3056, 0.2952



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.



29.7743, 0.2853, 0.2177



35.9022, 0.2771, 0.1926



33.7560, 0.3276, 0.2381



12.3921, 0.3079, 0.3056



6.0938, 0.2303, 0.1042



0.4139, 0.2460, 0.1129

Inverse Universe

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



31.8697, 0.3782, 0.2888



39.6535, 0.4005, 0.2805



54.8183, 0.3008, 0.4412



12.4962, 0.3234, 0.3204



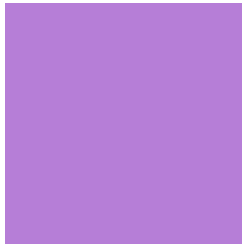
9.0035, 0.5482, 0.2794



0.5588, 0.5009, 0.2533

Previews

White Background



This preview shows how the Yxy color 29.7731, 0.2853, 0.2177 looks on a white background.

Color Contrast Check

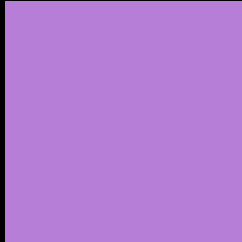
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7731, 0.2853, 0.2177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

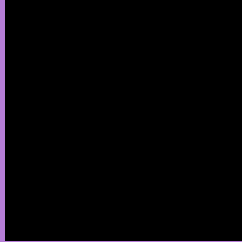
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7731, 0.2853, 0.2177

Background



This preview shows how black text looks on a background with the Yxy color 29.7731, 0.2853, 0.2177.



This preview shows how white text looks on a background with the Yxy color 29.7731, 0.2853, 0.2177.

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

29.7731, 0.2853, 0.2177

Protanopia

30.1659, 0.2253, 0.2112

Deuteranopia

30.0062, 0.2433, 0.2370



Tritanopia

29.7612, 0.3363, 0.3130

Trichromacy



Original Color

29.7731, 0.2853, 0.2177



Protanomaly

29.6189, 0.2434, 0.2124



Deuteranomaly

29.3297, 0.2566, 0.2282



Tritanomaly

29.6140, 0.3174, 0.2748

Monochromacy



Original Color

29.7731, 0.2853, 0.2177



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

30.6720, 0.3027, 0.2817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7731, 0.2853, 0.2177 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(182, 126, 215)` looks like.

```
.text, #text, p{  
    color:rgb(182, 126, 215)  
}
```

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(182, 126, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 126, 215) }
```

Border

The CSS property to change the border of an element to Yxy 29.7731, 0.2853, 0.2177 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(182, 126, 215) }
```

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

```
.border{ border-color:rgb(182, 126, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 126, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 126, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 126, 215);  
box-shadow:4px 4px 4px 4px rgb(182, 126,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7731, 0.2853, 0.2177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 126, 215) }
```

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

```
.background{ background-color: rgb(182,  
126, 215) }
```

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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