

Converting Colors

Yxy(66.5631, 0.2990, 0.2782)

Have a look what the booklet for
Yxy(66.5631, 0.2990, 0.2782)
contains.

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Color

Yxy(66.5631, 0.2990, 0.2782)

Conversions

Conversions Part 1

Format	Color
Hex	E6CBFC
RGB	230, 203, 252
RGB Percent	90%, 80%, 99%
CMY	0.0983, 0.2038, 0.0118
CMYK	0.09, 0.19, 0.00, 0.01
HSL	273°, 89%, 89%
HSV	273°, 19%, 99%
XYZ	71.5398, 66.5631, 101.1606
YIQ	216.6590, 0.3630, 20.9630

Conversions

Conversions Part 2

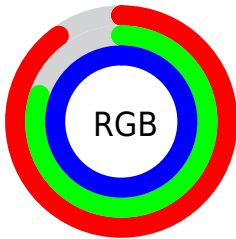
Format	Color
R _{YB}	230, 203, 252
Decimal	15125500
CIE Lab	85.28, 18.26, -20.53
CIE LCh	85, 27.473, 311.645
Yxy	66.5631, 0.2990, 0.2782
Android (android.graphics.Color)	4293315580 (0xFFE6CBFC)
YUV	216.6590, 17.4231, 11.7001
Hunter-Lab	81.5862, 13.7438, -16.4047

Details

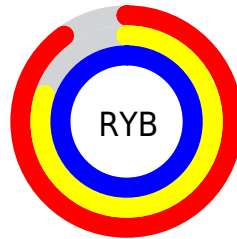
The Yxy color $66.5631, 0.2990, 0.2782$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $89.9483, 0.3242, 0.3804$, and the grayscale version is $69.0174, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $34.4337, 0.2955, 0.2674$ is the 20% darker color. If you saturate the color by 10%, you get $53.7961, 0.2902, 0.2496$, and if you desaturate by 10%, it is $81.3925, 0.3066, 0.3053$.

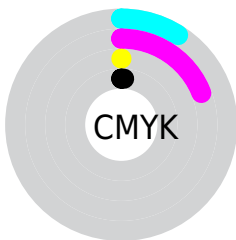
Distribution



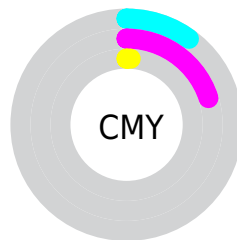
- Red (90%)
- Green (80%)
- Blue (99%)



- Red (90%)
- Yellow (80%)
- Blue (99%)



- Cyan (9%)
- Magenta (19%)
- Yellow (0%)
- Black (1%)



- Cyan (10%)
- Magenta (20%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5631, 0.2990, 0.2782 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 66.5631, 0.2990, 0.2782 by changing the saturation by 10% instead.

66.5631, 0.2990,
0.2782

66.5631, 0.2990,
0.2782

448.3880, 0.3057,
0.3012

48.7297, 0.2974,
0.2731

114.2942, 0.3014,
0.2861

34.4051, 0.2954,
0.2668

144.9606, 0.3023,
0.2892

23.2050, 0.2927,
0.2590

180.6734, 0.3031,
0.2918

14.7449, 0.2892,
0.2490

221.8171, 0.3038,
0.2942

8.6406, 0.2842,
0.2357

268.7760, 0.3043,
0.2962

4.5075, 0.2768,
0.2173

321.9345, 0.3049,

1.9613, 0.2646,

0.2981

0.1902

381.6771, 0.3053,
0.2997

■ 0.5848, 0.2440,
0.1410

■ 0.0000, 0.0000,
0.0000

■ 66.5631, 0.2990,
0.2782

■ 66.5631, 0.2990,
0.2782

■ 53.7961, 0.2902,
0.2496

■ 81.3925, 0.3066,
0.3053

■ 42.9874, 0.2802,
0.2202

■ 98.3650, 0.3131,
0.3304

■ 34.0364, 0.2692,
0.1911

■ 99.8074, 0.3145,
0.3319

■ 26.8299, 0.2574,
0.1635

■ 21.2420, 0.2451,
0.1389

■ 17.1290, 0.2330,
0.1186

■ 14.3206, 0.2215,
0.1036

■ 12.5547, 0.2111,
0.0938

■ 12.4675, 0.2105,
0.0933

Harmonies

Analogous

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



66.5631, 0.2697, 0.2732



66.5631, 0.2990, 0.2782



66.5631, 0.3337, 0.2950

Triad

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



66.5631, 0.2990, 0.2782



66.5631, 0.3764, 0.3734



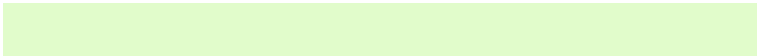
66.5631, 0.2634, 0.3354

Complementary

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



66.5631, 0.2990, 0.2782



89.9483, 0.3242, 0.3804

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.



66.5631, 0.2900, 0.3670



66.5631, 0.2990, 0.2782



66.5631, 0.3554, 0.3885

Square

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



66.5631, 0.2990, 0.2782



66.5631, 0.3798, 0.3481



66.5631, 0.3235, 0.3869



66.5631, 0.2500, 0.3040

Rectangle

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



66.5631, 0.2990, 0.2782



66.5631, 0.3550, 0.3110



66.5631, 0.3235, 0.3869



66.5631, 0.2710, 0.3465

Sweetspot

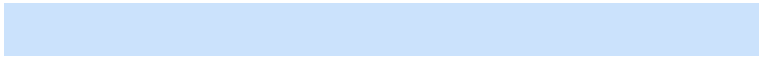
The Sweet Spot groups the original color and five complimentary colors.



66.5659, 0.2990, 0.2782



89.3394, 0.3089, 0.3141



74.0552, 0.2818, 0.3009



18.8844, 0.3085, 0.3124



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.



66.5659, 0.2990, 0.2782



63.4453, 0.2960, 0.2681



70.3450, 0.3161, 0.2821



17.1130, 0.3066, 0.3051



6.5841, 0.2121, 0.0942



0.6728, 0.2244, 0.1010

Inverse Universe

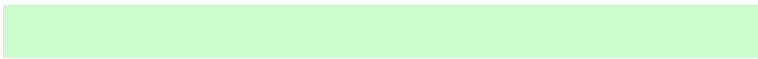
The Inverse Universe completely reimagines the original color for something new.



68.8620, 0.3344, 0.3066



66.2138, 0.3394, 0.3022



86.7052, 0.3093, 0.3808



17.3553, 0.3223, 0.3184



11.4369, 0.5171, 0.2623



1.0803, 0.4878, 0.2461

Previews

White Background



This preview shows how the Yxy color 66.5631, 0.2990, 0.2782 looks on a white background.

Color Contrast Check

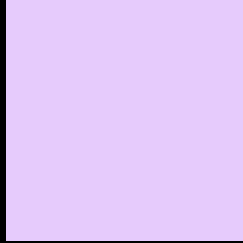
Large Text (above 18pt) WCAG AA × Fail

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 66.5631, 0.2990, 0.2782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

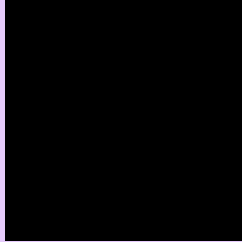
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.5631, 0.2990, 0.2782

Background



This preview shows how black text looks on a background with the Yxy color 66.5631, 0.2990, 0.2782.

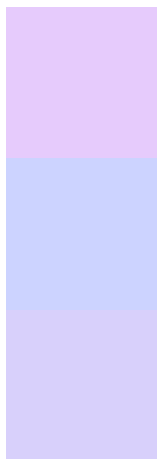


This preview shows how white text looks on a background with the Yxy color 66.5631, 0.2990, 0.2782.

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

66.5631, 0.2990, 0.2782

Protanopia

66.6459, 0.2797, 0.2814

Deuteranopia

66.6757, 0.2900, 0.2831



Tritanopia

66.6623, 0.3150, 0.3117

Trichromacy



Original Color

66.5631, 0.2990, 0.2782

Protanomaly

66.4136, 0.2861, 0.2799

Deuteranomaly

66.4798, 0.2934, 0.2814

Tritanomaly

66.4140, 0.3089, 0.2991

Monochromacy



Original Color

66.5631, 0.2990, 0.2782

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.3297, 0.3078, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5631, 0.2990, 0.2782 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(230, 203, 252)` looks like.

```
.text, #text, p{  
    color:rgb(230, 203, 252)  
}
```

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(230, 203, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 203, 252) }
```

Border

The CSS property to change the border of an element to Yxy 66.5631, 0.2990, 0.2782 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(230, 203, 252) }
```

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

```
.border{ border-color:rgb(230, 203, 252) }
```

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

Here you see how a box with a 4 pixel rgb(230, 203, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 203, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 203, 252);  
box-shadow:4px 4px 4px 4px rgb(230, 203,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5631, 0.2990, 0.2782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 203, 252) }
```

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

```
.background{ background-color: rgb(230,  
203, 252) }
```

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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