

Converting Colors

Yxy(64.4599, 0.2918, 0.2607)

Have a look what the booklet for
Yxy(64.4599, 0.2918, 0.2607)
contains.

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Color

Yxy(64.1414, 0.2977, 0.2691)

Conversions

Conversions Part 1

Format	Color
Hex	E7C5FF
RGB	231, 197, 255
RGB Percent	91%, 77%, 100%
CMY	0.0943, 0.2274, 0.0000
CMYK	0.09, 0.23, 0.00, 0.00
HSL	275°, 100%, 89%
HSV	275°, 23%, 100%
XYZ	70.9584, 64.1414, 103.2555
YIQ	213.7780, 1.6460, 25.2460

Conversions

Conversions Part 2

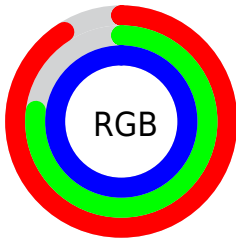
Format	Color
R _Y B	231, 197, 255
Decimal	15189503
CIE Lab	84.04, 22.38, -24.01
CIE LCh	84, 32.825, 312.986
Yxy	64.1414, 0.2977, 0.2691
Android (android.graphics.Color)	4293379583 (0xFFE7C5FF)
YUV	213.7780, 20.3224, 15.1037
Hunter-Lab	80.0883, 17.9967, -20.3790

Details

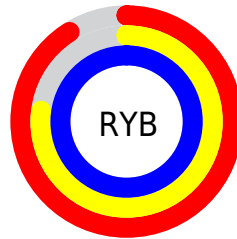
The Yxy color **64.1414, 0.2977, 0.2691** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **90.9373, 0.3248, 0.3902**, and the grayscale version is **66.9460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3636, 0.3128, 0.3281**, and **32.8361, 0.2938, 0.2559** is the 20% darker color. If you saturate the color by 10%, you get **51.8169, 0.2893, 0.2405**, and if you desaturate by 10%, it is **78.5352, 0.3050, 0.2966**.

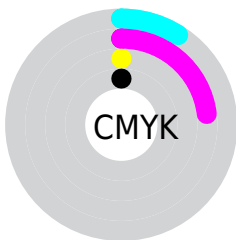
Distribution



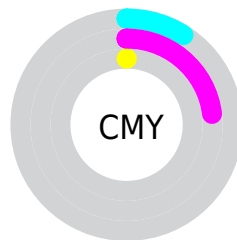
- Red (91%)
- Green (77%)
- Blue (100%)



- Red (91%)
- Yellow (77%)
- Blue (100%)



- Cyan (9%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.1414, 0.2977, 0.2691 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 64.1414, 0.2977, 0.2691 by changing the saturation by 10% instead.


 64.1414, 0.2977,
0.2691

 64.1414, 0.2977,
0.2691


439.7001, 0.3052,
0.2961

 46.7652, 0.2959,
0.2631


110.8145, 0.3004,
0.2783

 32.8501, 0.2936,
0.2558


140.8803, 0.3014,
0.2820

 22.0116, 0.2906,
0.2467


175.9447, 0.3023,
0.2851

 13.8654, 0.2865,
0.2350

216.3921, 0.3030,
0.2879

 8.0271, 0.2807,
0.2197

262.6070, 0.3037,
0.2903

 4.1123, 0.2721,
0.1986

314.9737, 0.3042,

 1.7366, 0.2578,

0.2925

0.1681

373.8766, 0.3047,
0.2944

0.4472, 0.2352,
0.1075

0.0000, 0.0000,
0.0000

64.1414, 0.2977,
0.2691

64.1414, 0.2977,
0.2691

51.8169, 0.2893,
0.2405

78.5352, 0.3050,
0.2966

41.4551, 0.2798,
0.2115

95.0855, 0.3112,
0.3223

32.9492, 0.2694,
0.1833

100.0000, 0.3127,
0.3290

26.1792, 0.2583,
0.1571

■ 21.0107, 0.2470,
0.1345

■ 17.2887, 0.2358,
0.1165

■ 14.8255, 0.2252,
0.1039

■ 13.6274, 0.2181,
0.0975

Harmonies

Analogous

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



64.1414, 0.2622, 0.2622



64.1414, 0.2977, 0.2691



64.1414, 0.3397, 0.2895

Triad

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



64.1414, 0.2977, 0.2691



64.1414, 0.3888, 0.3829



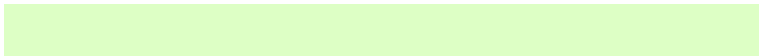
64.1414, 0.2524, 0.3346

Complementary

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



64.1414, 0.2977, 0.2691



90.9373, 0.3248, 0.3902

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.



64.1414, 0.2833, 0.3739



64.1414, 0.2977, 0.2691



64.1414, 0.3623, 0.4014

Square

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



64.1414, 0.2977, 0.2691



64.1414, 0.3943, 0.3526



64.1414, 0.3234, 0.3993



64.1414, 0.2375, 0.2967

Rectangle

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



64.1414, 0.2977, 0.2691



64.1414, 0.3654, 0.3086



64.1414, 0.3234, 0.3993



64.1414, 0.2611, 0.3483

Sweetspot

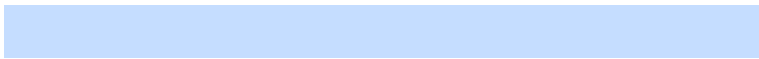
The Sweet Spot groups the original color and five complimentary colors.



64.1435, 0.2977, 0.2691



87.7575, 0.3087, 0.3116



70.9024, 0.2761, 0.2922



18.5687, 0.3083, 0.3100



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.



64.1435, 0.2977, 0.2691



58.6396, 0.2943, 0.2570



68.1166, 0.3188, 0.2767



17.9028, 0.3071, 0.3051



7.2103, 0.2197, 0.0984



0.7662, 0.2308, 0.1045

Inverse Universe

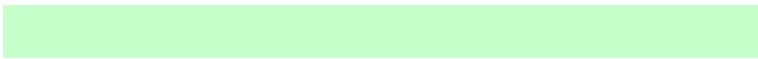
The Inverse Universe completely reimagines the original color for something new.



66.4287, 0.3406, 0.3046



61.3329, 0.3473, 0.2998



87.6512, 0.3071, 0.3876



18.1121, 0.3229, 0.3192



11.6785, 0.5323, 0.2706



1.1582, 0.5027, 0.2543

Previews

White Background



This preview shows how the Yxy color 64.1414, 0.2977, 0.2691 looks on a white background.

Color Contrast Check

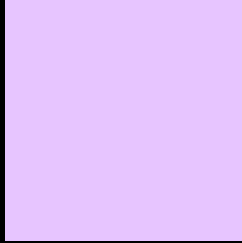
Large Text (above 18pt) WCAG AA × Fail

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 64.1414, 0.2977, 0.2691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

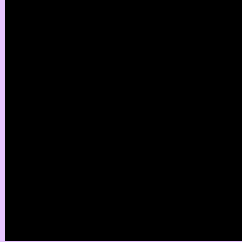
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

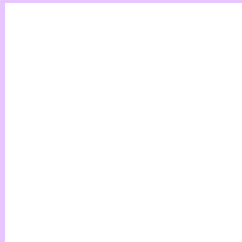
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.1414, 0.2977, 0.2691

Background



This preview shows how black text looks on a background with the Yxy color 64.1414, 0.2977, 0.2691.

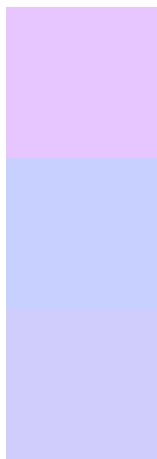


This preview shows how white text looks on a background with the Yxy color 64.1414, 0.2977, 0.2691.

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

64.1414, 0.2977, 0.2691

Protanopia

64.4739, 0.2762, 0.2775

Deuteranopia

64.1644, 0.2831, 0.2771



Tritanopia

63.8339, 0.3181, 0.3115

Trichromacy



Original Color

64.1414, 0.2977, 0.2691

Protanomaly

64.2546, 0.2839, 0.2743

Deuteranomaly

63.9957, 0.2879, 0.2736

Tritanomaly

63.9304, 0.3105, 0.2957

Monochromacy



Original Color

64.1414, 0.2977, 0.2691

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

65.9845, 0.3072, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1414, 0.2977, 0.2691 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(231, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 197, 255)  
}
```

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(231, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 197, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.1414, 0.2977, 0.2691 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(231, 197, 255) }
```

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

```
.border{ border-color:rgb(231, 197, 255) }
```

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

Here you see how a box with a 4 pixel rgb(231, 197, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 197,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1414, 0.2977, 0.2691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 197, 255) }
```

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

```
.background{ background-color: rgb(231,  
197, 255) }
```

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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