

Converting Colors

$Yxy(72.5772, 0.3044, 0.3026)$

Have a look what the booklet for
Yxy(72.5772, 0.3044, 0.3026)
contains.

Yxy(72.6945, 0.3048, 0.3029)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.6945, 0.3048, 0.3029)

Conversions

Conversions Part 1

Format	Color
Hex	E5D9F2
RGB	229, 217, 242
RGB Percent	90%, 85%, 95%
CMY	0.1019, 0.1490, 0.0511
CMYK	0.05, 0.10, 0.00, 0.05
HSL	269°, 49%, 90%
HSV	269°, 10%, 95%
XYZ	73.1505, 72.6945, 94.1501
YIQ	223.4380, -0.8730, 10.3190

Conversions

Conversions Part 2

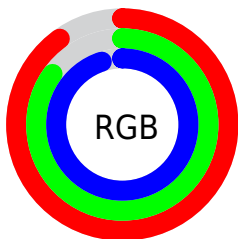
Format	Color
R _{YB}	229, 217, 242
Decimal	15063538
CIE Lab	88.30, 8.63, -10.71
CIE LCh	88, 13.754, 308.871
Yxy	72.6945, 0.3048, 0.3029
Android (android.graphics.Color)	4293253618 (0xFFE5D9F2)
YUV	223.4380, 9.1511, 4.8779
Hunter-Lab	85.2611, 3.9388, -5.7886

Details

The Yxy color $72.6945, 0.3048, 0.3029$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $85.3084, 0.3200, 0.3551$, and the grayscale version is $74.0552, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $38.2701, 0.3023, 0.2965$ is the 20% darker color. If you saturate the color by 10%, you get $59.1329, 0.2958, 0.2754$, and if you desaturate by 10%, it is $88.2404, 0.3125, 0.3282$.

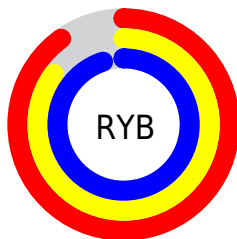
Distribution



Red (90%)

Green (85%)

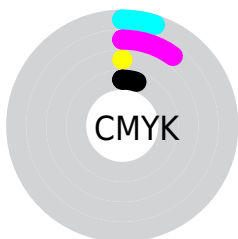
Blue (95%)



Red (90%)

Yellow (85%)

Blue (95%)

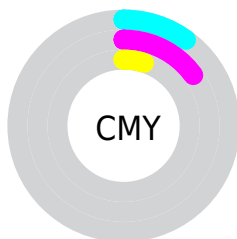


Cyan (5%)

Magenta (10%)

Yellow (0%)

Black (5%)



Cyan (10%)


Magenta (15%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6945, 0.3048, 0.3029 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 72.6945, 0.3048, 0.3029 by changing the saturation by 10% instead.


 72.6945, 0.3048,
0.3029

 72.6945, 0.3048,
0.3029


469.9553, 0.3085,
0.3148

 53.7262, 0.3039,
0.3002


123.0434, 0.3061,
0.3070

 38.3828, 0.3028,
0.2970


155.1928, 0.3066,
0.3086

 26.2799, 0.3015,
0.2928

192.5047, 0.3071,
0.3100

 17.0332, 0.2996,
0.2875

235.3635, 0.3074,
0.3112

 10.2581, 0.2971,
0.2804

284.1535, 0.3078,
0.3122

 5.5705, 0.2934,
0.2703

339.2593, 0.3080,

 2.5857, 0.2874,

0.3132

0.2551

401.0651, 0.3083,
0.3140

■ 0.9195, 0.2764,
0.2293

■ 0.0000, 0.0556,
0.0000

■ 72.6945, 0.3048,
0.3029

■ 72.6945, 0.3048,
0.3029

■ 59.1329, 0.2958,
0.2754

■ 88.2404, 0.3125,
0.3282

■ 47.4638, 0.2855,
0.2463

■ 99.0232, 0.3197,
0.3415

■ 37.6022, 0.2738,
0.2162

■ 99.1886, 0.3203,
0.3415

■ 29.4525, 0.2610,
0.1861

■ 22.9101, 0.2475,
0.1576

■ 17.8585, 0.2336,
0.1321

■ 14.1648, 0.2202,
0.1111

■ 11.6708, 0.2077,
0.0958

■ 10.1482, 0.1970,
0.0859

Harmonies

Analogous

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



72.6945, 0.2905, 0.3013



72.6945, 0.3048, 0.3029



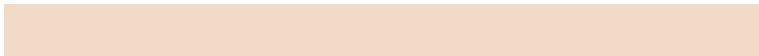
72.6945, 0.3216, 0.3110

Triad

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



72.6945, 0.3048, 0.3029



72.6945, 0.3441, 0.3503



72.6945, 0.2895, 0.3339

Complementary

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



72.6945, 0.3048, 0.3029



85.3084, 0.3200, 0.3551

Split Complementary

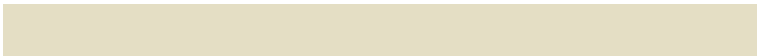
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.6945, 0.3033, 0.3481



72.6945, 0.3048, 0.3029



72.6945, 0.3350, 0.3575

Square

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



72.6945, 0.3048, 0.3029



72.6945, 0.3447, 0.3379



72.6945, 0.3200, 0.3568



72.6945, 0.2818, 0.3187

Rectangle

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



72.6945, 0.3048, 0.3029



72.6945, 0.3320, 0.3191



72.6945, 0.3200, 0.3568



72.6945, 0.2935, 0.3390

Sweetspot

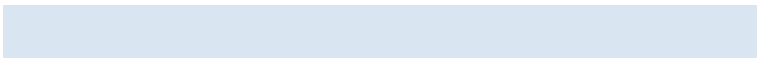
The Sweet Spot groups the original color and five complimentary colors.



72.6976, 0.3048, 0.3029



94.4706, 0.3105, 0.3216



77.9314, 0.2967, 0.3166



19.9118, 0.3099, 0.3196



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.



72.6976, 0.3048, 0.3029



79.1180, 0.3033, 0.2983



74.7616, 0.3133, 0.3036



15.6017, 0.3055, 0.3051



5.5340, 0.1987, 0.0868



0.5193, 0.2131, 0.0948

Inverse Universe

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



74.2107, 0.3220, 0.3157



81.0946, 0.3237, 0.3134



83.3728, 0.3120, 0.3557



15.8959, 0.3212, 0.3168



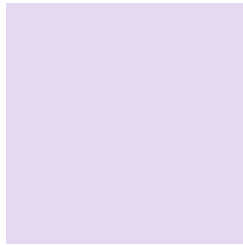
10.9725, 0.4878, 0.2461



0.9329, 0.4598, 0.2307

Previews

White Background



This preview shows how the Yxy color 72.6945, 0.3048, 0.3029 looks on a white background.

Color Contrast Check

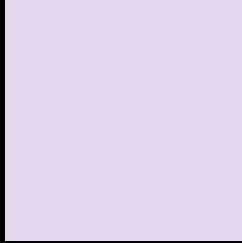
Large Text (above 18pt) WCAG AA × Fail

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 72.6945, 0.3048, 0.3029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

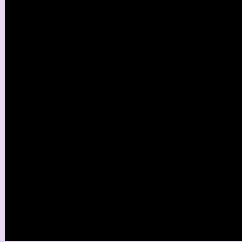
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

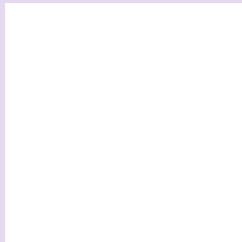
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.6945, 0.3048, 0.3029

Background



This preview shows how black text looks on a background with the Yxy color 72.6945, 0.3048, 0.3029.



This preview shows how white text looks on a background with the Yxy color 72.6945, 0.3048, 0.3029.

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

72.6945, 0.3048, 0.3029

Protanopia

72.7781, 0.2966, 0.3035

Deuteranopia

72.5041, 0.3083, 0.3010



Tritanopia

72.6349, 0.3086, 0.3110

Trichromacy



Original Color

72.6945, 0.3048, 0.3029

Protanomaly

72.8221, 0.3000, 0.3037

Deuteranomaly

72.6783, 0.3069, 0.3020

Tritanomaly

72.8098, 0.3066, 0.3080

Monochromacy



Original Color

72.6945, 0.3048, 0.3029

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

73.4336, 0.3096, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6945, 0.3048, 0.3029 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(229, 217, 242)` looks like.

```
.text, #text, p{  
    color:rgb(229, 217, 242)  
}
```

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(229, 217, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 217, 242) }
```

Border

The CSS property to change the border of an element to Yxy 72.6945, 0.3048, 0.3029 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(229, 217, 242) }
```

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

```
.border{ border-color:rgb(229, 217, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 217, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 217, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 217, 242);  
box-shadow:4px 4px 4px 4px rgb(229, 217,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6945, 0.3048, 0.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 217, 242) }
```

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

```
.background{ background-color: rgb(229,  
217, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor