

Converting Colors

$Y_{xy}(72.6722, 0.3094, 0.3091)$

Have a look what the booklet for
Yxy(72.6722, 0.3094, 0.3091)
contains.

Yxy(72.5048, 0.3094, 0.3090)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.5048, 0.3094, 0.3090)

Conversions

Conversions Part 1

Format	Color
Hex	E6D9EC
RGB	230, 217, 236
RGB Percent	90%, 85%, 93%
CMY	0.0979, 0.1491, 0.0744
CMYK	0.03, 0.08, 0.00, 0.07
HSL	281°, 33%, 89%
HSV	281°, 8%, 93%
XYZ	72.5987, 72.5048, 89.5399
YIQ	223.0530, 1.6490, 8.6650

Conversions

Conversions Part 2

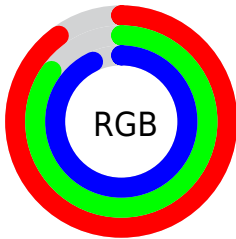
Format	Color
R _Y B	230, 217, 236
Decimal	15129068
CIE Lab	88.21, 7.87, -7.70
CIE LCh	88, 11.011, 315.608
Yxy	72.5048, 0.3094, 0.3090
Android (android.graphics.Color)	4293319148 (0xFFE6D9EC)
YUV	223.0530, 6.3829, 6.0925
Hunter-Lab	85.1498, 3.1770, -2.7421

Details

The Yxy color `72.5048, 0.3094, 0.3090` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `80.6945, 0.3158, 0.3493`, and the grayscale version is `73.7905, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `38.1346, 0.3083, 0.3045` is the 20% darker color. If you saturate the color by 10%, you get `59.9984, 0.3046, 0.2828`, and if you desaturate by 10%, it is `86.8095, 0.3134, 0.3336`.

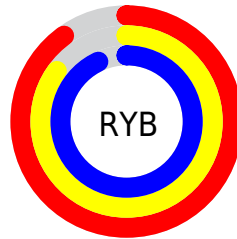
Distribution



Red (90%)

Green (85%)

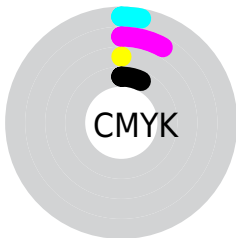
Blue (93%)



Red (90%)

Yellow (85%)

Blue (93%)

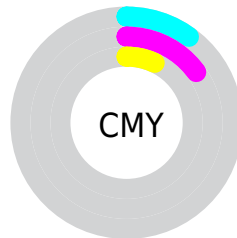


Cyan (3%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (10%)

Magenta (15%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.5048, 0.3094, 0.3090 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 72.5048, 0.3094, 0.3090 by changing the saturation by 10% instead.


 72.5048, 0.3094,
0.3090

 72.5048, 0.3094,
0.3090


469.2967, 0.3110,
0.3181

 53.5711, 0.3090,
0.3069


122.7740, 0.3100,
0.3122

 38.2589, 0.3086,
0.3044

154.8782, 0.3102,
0.3134

 26.1837, 0.3079,
0.3012


192.1415, 0.3104,
0.3144

 16.9611, 0.3071,
0.2971

234.9482, 0.3105,
0.3154

 10.2068, 0.3060,
0.2915

283.6827, 0.3107,
0.3162

 5.5363, 0.3043,
0.2836

338.7293, 0.3108,

 2.5652, 0.3015,

0.3169

0.2714

400.4725, 0.3109,
0.3176

0.9092, 0.2961,
0.2505

0.0000, 0.0117,
0.0000

72.5048, 0.3094,
0.3090

72.5048, 0.3094,
0.3090

59.9984, 0.3046,
0.2828

86.8095, 0.3134,
0.3336

49.2069, 0.2989,
0.2555

96.9660, 0.3174,
0.3477

40.0539, 0.2923,
0.2278

98.3250, 0.3221,
0.3474

32.4537, 0.2850,
0.2006

98.8373, 0.3238,
0.3473

■ 26.3126, 0.2770,
0.1752

■ 21.5266, 0.2685,
0.1528

■ 17.9775, 0.2599,
0.1344

■ 15.5260, 0.2514,
0.1208

■ 13.9789, 0.2433,
0.1120

Harmonies

Analogous

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



72.5048, 0.2971, 0.3065



72.5048, 0.3094, 0.3090



72.5048, 0.3228, 0.3165

Triad

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



72.5048, 0.3094, 0.3090



72.5048, 0.3368, 0.3479



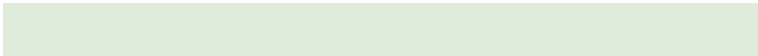
72.5048, 0.2922, 0.3302

Complementary

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



72.5048, 0.3094, 0.3090



80.6945, 0.3158, 0.3493

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.



72.5048, 0.3024, 0.3420



72.5048, 0.3094, 0.3090



72.5048, 0.3282, 0.3522

Square

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



72.5048, 0.3094, 0.3090



72.5048, 0.3388, 0.3387



72.5048, 0.3156, 0.3501



72.5048, 0.2873, 0.3184

Rectangle

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



72.5048, 0.3094, 0.3090



72.5048, 0.3305, 0.3235



72.5048, 0.3156, 0.3501



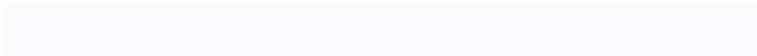
72.5048, 0.2951, 0.3343

Sweetspot

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



72.5079, 0.3094, 0.3090



96.4866, 0.3119, 0.3241



73.5913, 0.3003, 0.3150



20.6889, 0.3120, 0.3244



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.



72.5079, 0.3094, 0.3090



83.3085, 0.3085, 0.3039



73.3131, 0.3160, 0.3128



15.0628, 0.3088, 0.3054



7.6379, 0.2430, 0.1112



0.6505, 0.2540, 0.1173

Inverse Universe

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



72.7825, 0.3225, 0.3227



83.7199, 0.3251, 0.3212



79.9455, 0.3096, 0.3457



15.1320, 0.3244, 0.3216



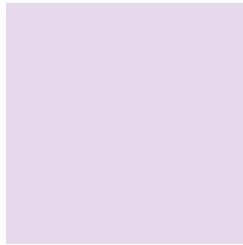
10.1238, 0.5709, 0.2918



0.8118, 0.5316, 0.2702

Previews

White Background



This preview shows how the Yxy color 72.5048, 0.3094, 0.3090 looks on a white background.

Color Contrast Check

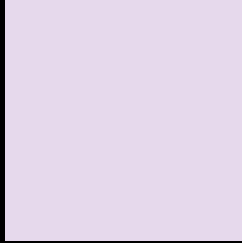
Large Text (above 18pt) WCAG AA × Fail

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 72.5048, 0.3094, 0.3090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

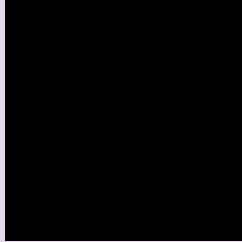
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

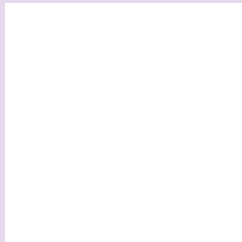
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.5048, 0.3094, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 72.5048, 0.3094, 0.3090.

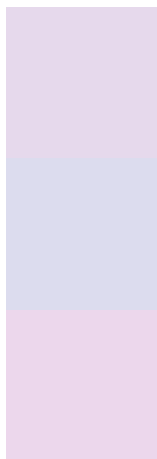


This preview shows how white text looks on a background with the Yxy color 72.5048, 0.3094, 0.3090.

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

72.5048, 0.3094, 0.3090

Protanopia

72.5751, 0.3011, 0.3098

Deuteranopia

72.4899, 0.3137, 0.3072



Tritanopia

72.3892, 0.3107, 0.3111

Trichromacy



Original Color

72.5048, 0.3094, 0.3090

Protanomaly

72.6248, 0.3045, 0.3099

Deuteranomaly

72.6603, 0.3123, 0.3082

Tritanomaly

72.4469, 0.3100, 0.3101

Monochromacy



Original Color

72.5048, 0.3094, 0.3090

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

73.4831, 0.3117, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5048, 0.3094, 0.3090 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, 217, 236)` looks like.

```
.text, #text, p{  
    color:rgb(230, 217, 236)  
}
```

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, 217, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 217, 236) }
```

Border

The CSS property to change the border of an element to Yxy 72.5048, 0.3094, 0.3090 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, 217, 236) }
```

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

```
.border{ border-color:rgb(230, 217, 236) }
```

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

Here you see how a box with a 4 pixel rgb(230, 217, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 217, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 217, 236);  
box-shadow:4px 4px 4px 4px rgb(230, 217,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5048, 0.3094, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 217, 236) }
```

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

```
.background{ background-color: rgb(230,  
217, 236) }
```

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