

Converting Colors

$Y_{xy}(54.7289, 0.3172, 0.2673)$

Have a look what the booklet for
Yxy(54.7289, 0.3172, 0.2673)
contains.

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Color

Yxy(54.8240, 0.3172, 0.2677)

Conversions

Conversions Part 1

Format	Color
Hex	ECB0EA
RGB	236, 176, 234
RGB Percent	93%, 69%, 92%
CMY	0.0746, 0.3097, 0.0823
CMYK	0.00, 0.25, 0.01, 0.07
HSL	302°, 61%, 81%
HSV	302°, 25%, 93%
XYZ	64.9614, 54.8240, 85.0110
YIQ	200.5520, 17.1420, 30.7580

Conversions

Conversions Part 2

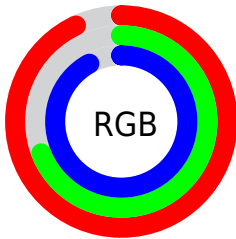
Format	Color
R _{YB}	236, 176, 234
Decimal	15511786
CIE Lab	78.94, 31.21, -20.47
CIE LCh	79, 37.322, 326.732
Yxy	54.8240, 0.3172, 0.2677
Android (android.graphics.Color)	4293701866 (0xFFECB0EA)
YUV	200.5520, 16.4899, 31.0879
Hunter-Lab	74.0432, 27.0303, -16.2422

Details

The Yxy color $54.8240, 0.3172, 0.2677$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $72.4164, 0.3082, 0.3990$, and the grayscale version is $58.0060, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.1932, 0.3138, 0.3068$, and $26.9640, 0.3174, 0.2538$ is the 20% darker color. If you saturate the color by 10%, you get $46.3181, 0.3191, 0.2438$, and if you desaturate by 10%, it is $64.9432, 0.3153, 0.2921$.

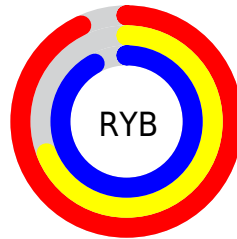
Distribution



Red (93%)

Green (69%)

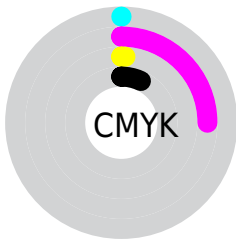
Blue (92%)



Red (93%)

Yellow (69%)

Blue (92%)

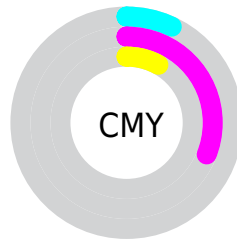


Cyan (0%)

Magenta (25%)

Yellow (1%)

Black (7%)



Cyan (7%)


Magenta (31%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.8240, 0.3172, 0.2677 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 54.8240, 0.3172, 0.2677 by changing the saturation by 10% instead.


 54.8240, 0.3172,
0.2677

 54.8240, 0.3172,
0.2677


405.2444, 0.3156,
0.2960

 39.2608, 0.3174,
0.2613


 97.2830, 0.3168,
0.2775

 26.9627, 0.3176,
0.2534


124.9477, 0.3166,
0.2813

 17.5452, 0.3178,
0.2435


157.4150, 0.3164,
0.2846

 10.6240, 0.3178,
0.2306

195.0693, 0.3162,
0.2874

 5.8146, 0.3174,
0.2133

238.2950, 0.3161,
0.2899

 2.7327, 0.3160,
0.1890

287.4765, 0.3159,

 0.9938, 0.3120,

0.2922

0.1528

342.9981, 0.3158,
0.2942

0.0000, 0.3259,
0.0000

0.0000, 0.0000,
0.0000

54.8240, 0.3172,
0.2677

54.8240, 0.3172,
0.2677

46.3181, 0.3191,
0.2438

64.9432, 0.3153,
0.2921

39.3351, 0.3211,
0.2214


76.7456, 0.3136,
0.3163


33.7867, 0.3230,
0.2014

90.3060, 0.3120,
0.3396

29.5727, 0.3247,
0.1847


95.4664, 0.3112,
0.3469


 26.5799, 0.3263,
0.1721

 95.5114, 0.3107,
0.3461

 24.6764, 0.3277,
0.1638

 95.5565, 0.3103,
0.3453

 23.6999, 0.3289,
0.1597

 95.6019, 0.3099,
0.3446

 23.4445, 0.3293,
0.1588

 95.6475, 0.3094,
0.3438

 95.6932, 0.3090,
0.3430

Harmonies

Analogous

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



54.8240, 0.2700, 0.2518



54.8240, 0.3172, 0.2677



54.8240, 0.3667, 0.2971

Triad

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



54.8240, 0.3172, 0.2677



54.8240, 0.3913, 0.4053



54.8240, 0.2305, 0.3129

Complementary

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



54.8240, 0.3172, 0.2677



72.4164, 0.3082, 0.3990

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.



54.8240, 0.2585, 0.3622



54.8240, 0.3172, 0.2677



54.8240, 0.3510, 0.4187

Square

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



54.8240, 0.3172, 0.2677



54.8240, 0.4109, 0.3735



54.8240, 0.3023, 0.4035



54.8240, 0.2231, 0.2738

Rectangle

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



54.8240, 0.3172, 0.2677



54.8240, 0.3929, 0.3215



54.8240, 0.3023, 0.4035



54.8240, 0.2377, 0.3289

Sweetspot

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



54.8264, 0.3172, 0.2677



87.6252, 0.3140, 0.3100



46.4614, 0.2696, 0.2567



18.2896, 0.3143, 0.3063



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.



54.8264, 0.3172, 0.2677



60.3609, 0.3181, 0.2563



53.2924, 0.3410, 0.2973



15.3048, 0.3143, 0.3065



12.9313, 0.3292, 0.1587



1.0181, 0.3280, 0.1580

Inverse Universe

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



54.8264, 0.3172, 0.2677



60.3609, 0.3181, 0.2563



73.7079, 0.2914, 0.3631



15.3048, 0.3143, 0.3065



12.9313, 0.3292, 0.1587



1.0181, 0.3280, 0.1580

Previews

White Background



This preview shows how the Yxy color 54.8240, 0.3172, 0.2677 looks on a white background.

Color Contrast Check

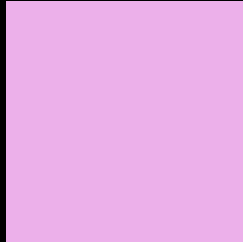
Large Text (above 18pt) WCAG AA × Fail

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 54.8240, 0.3172, 0.2677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

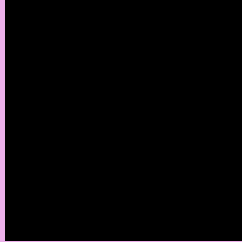
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8240, 0.3172, 0.2677

Background



This preview shows how black text looks on a background with the Yxy color 54.8240, 0.3172, 0.2677.



This preview shows how white text looks on a background with the Yxy color 54.8240, 0.3172, 0.2677.

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

54.8240, 0.3172, 0.2677

Protanopia

55.3047, 0.2696, 0.2689

Deuteranopia

55.0369, 0.2895, 0.2828



Tritanopia

54.8871, 0.3424, 0.3134

Trichromacy



Original Color

54.8240, 0.3172, 0.2677



Protanomaly

54.5080, 0.2849, 0.2670



Deuteranomaly

54.9411, 0.2993, 0.2774



Tritanomaly

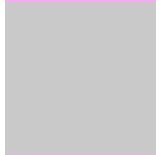
54.6193, 0.3337, 0.2961

Monochromacy



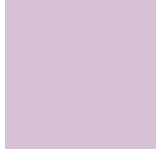
Original Color

54.8240, 0.3172, 0.2677



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

56.7995, 0.3146, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8240, 0.3172, 0.2677 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(236, 176, 234)` looks like.

```
.text, #text, p{  
    color:rgb(236, 176, 234)  
}
```

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(236, 176, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 176, 234) }
```

Border

The CSS property to change the border of an element to Yxy 54.8240, 0.3172, 0.2677 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(236, 176, 234) }
```

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

```
.border{ border-color:rgb(236, 176, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 176, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 176, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 176, 234);  
box-shadow:4px 4px 4px 4px rgb(236, 176,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8240, 0.3172, 0.2677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 176, 234) }
```

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

```
.background{ background-color: rgb(236,  
176, 234) }
```

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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