

Converting Colors

$Y_{xy}(83.2578, 0.3016, 0.3109)$

Have a look what the booklet for
Yxy(83.2578, 0.3016, 0.3109)
contains.

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Color

Yxy(83.3663, 0.3017, 0.3108)

Conversions

Conversions Part 1

Format	Color
Hex	EAEAFC
RGB	234, 234, 252
RGB Percent	92%, 92%, 99%
CMY	0.0824, 0.0823, 0.0117
CMYK	0.07, 0.07, 0.00, 0.01
HSL	240°, 75%, 95%
HSV	240°, 7%, 99%
XYZ	80.9254, 83.3663, 103.9396
YIQ	236.0520, -5.7780, 5.5980

Conversions

Conversions Part 2

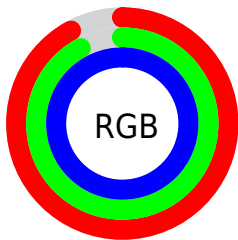
Format	Color
R_{YB}	234, 234, 252
Decimal	15395580
CIE Lab	93.17, 3.32, -8.69
CIE LCh	93, 9.306, 290.892
Yxy	83.3663, 0.3017, 0.3108
Android (android.graphics.Color)	4293585660 (0xFFEAE AFC)
YUV	236.0520, 7.8624, -1.7996
Hunter-Lab	91.3051, -1.5762, -3.5807

Details

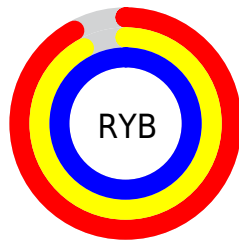
The Yxy color 83.3663, 0.3017, 0.3108 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 96.2662, 0.3234, 0.3466, and the grayscale version is 83.8667, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 45.2459, 0.2994, 0.3069 is the 20% darker color. If you saturate the color by 10%, you get 66.0689, 0.2845, 0.2824, and if you desaturate by 10%, it is 99.8098, 0.3144, 0.3318.

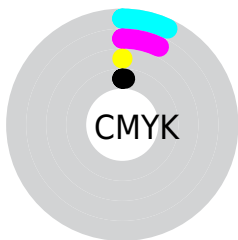
Distribution



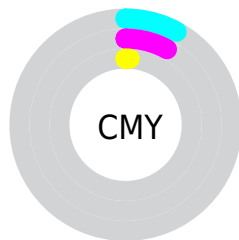
- Red (92%)
- Green (92%)
- Blue (99%)



- Red (92%)
- Yellow (92%)
- Blue (99%)



- Cyan (7%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (8%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3663, 0.3017, 0.3108 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 83.3663, 0.3017, 0.3108 by changing the saturation by 10% instead.

83.3663, 0.3017,
0.3108

83.3663, 0.3017,
0.3108

506.2065, 0.3067,
0.3190

62.4924, 0.3006,
0.3090

138.0884, 0.3034,
0.3136

45.4307, 0.2992,
0.3068

172.7053, 0.3041,
0.3147

31.7968, 0.2975,
0.3041

212.6721, 0.3047,
0.3156

21.2063, 0.2953,
0.3005

258.3730, 0.3052,
0.3165

13.2749, 0.2924,
0.2959

310.1925, 0.3056,
0.3172

7.6181, 0.2882,
0.2894

368.5150, 0.3060,

3.8516, 0.2820,

0.3178

0.2798

433.7249, 0.3064,
0.3184

■ 1.5909, 0.2716,
0.2642

■ 0.3514, 0.2362,
0.2000

■ 83.3663, 0.3017,
0.3108

■ 83.3663, 0.3017,
0.3108

■ 66.0689, 0.2845,
0.2824

99.8098, 0.3144,
0.3318

■ 51.3015, 0.2652,
0.2505

■ 38.9488, 0.2443,
0.2160

■ 28.8823, 0.2226,
0.1801

■ 20.9619, 0.2013,
0.1448

■ 15.0319, 0.1820,
0.1130

■ 10.9157, 0.1666,
0.0874

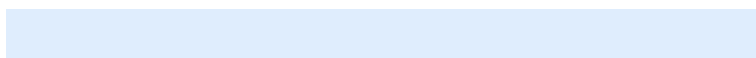
■ 8.4057, 0.1561,
0.0701

■ 7.2360, 0.1509,
0.0616

Harmonies

Analogous

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



83.3663, 0.2944, 0.3127



83.3663, 0.3017, 0.3108



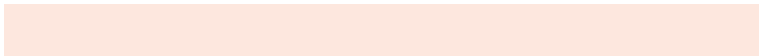
83.3663, 0.3120, 0.3136

Triad

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



83.3663, 0.3017, 0.3108



83.3663, 0.3339, 0.3384



83.3663, 0.3027, 0.3379

Complementary

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



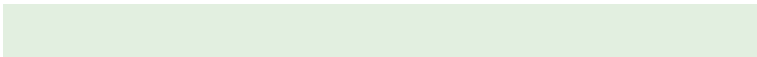
83.3663, 0.3017, 0.3108



96.2662, 0.3234, 0.3466

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.



83.3663, 0.3132, 0.3451



83.3663, 0.3017, 0.3108



83.3663, 0.3312, 0.3452

Square

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



83.3663, 0.3017, 0.3108



83.3663, 0.3307, 0.3293



83.3663, 0.3236, 0.3478



83.3663, 0.2950, 0.3283

Rectangle

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



83.3663, 0.3017, 0.3108



83.3663, 0.3192, 0.3177



83.3663, 0.3236, 0.3478



83.3663, 0.3060, 0.3407

Sweetspot

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



83.3698, 0.3017, 0.3108



95.8371, 0.3097, 0.3241



94.1372, 0.3018, 0.3293



20.5567, 0.3099, 0.3243



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.



83.3698, 0.3017, 0.3108



82.1359, 0.2987, 0.3058



84.8732, 0.3074, 0.3111



16.6453, 0.2979, 0.3045



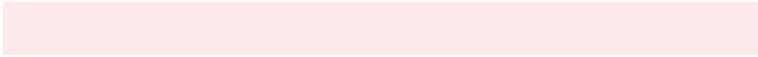
3.6644, 0.1500, 0.0601



0.3401, 0.1501, 0.0602

Inverse Universe

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



85.4815, 0.3250, 0.3290



84.8315, 0.3285, 0.3290



94.6850, 0.3178, 0.3469



17.2255, 0.3294, 0.3290



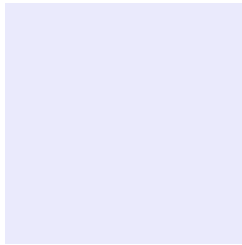
10.7808, 0.6400, 0.3299



0.9986, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 83.3663, 0.3017, 0.3108 looks on a white background.

Color Contrast Check

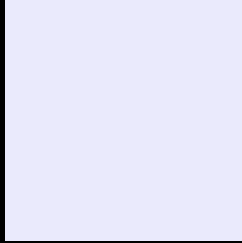
Large Text (above 18pt) WCAG AA × Fail

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 83.3663, 0.3017, 0.3108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

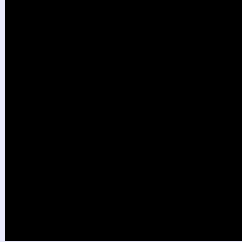
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.3663, 0.3017, 0.3108

Background



This preview shows how black text looks on a background with the Yxy color 83.3663, 0.3017, 0.3108.



This preview shows how white text looks on a background with the Yxy color 83.3663, 0.3017, 0.3108.

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

83.3663, 0.3017, 0.3108

Protanopia

83.5361, 0.3024, 0.3109

Deuteranopia

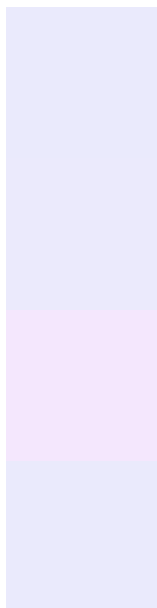
83.4545, 0.3118, 0.3055



Tritanopia

83.3663, 0.3017, 0.3108

Trichromacy



Original Color

83.3663, 0.3017, 0.3108

Protanomaly

83.5361, 0.3024, 0.3109

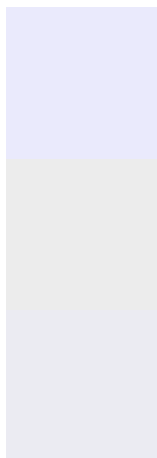
Deuteranomaly

83.4768, 0.3077, 0.3072

Tritanomaly

83.3663, 0.3017, 0.3108

Monochromacy



Original Color

83.3663, 0.3017, 0.3108

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.4896, 0.3084, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3663, 0.3017, 0.3108 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(234, 234, 252)` looks like.

```
.text, #text, p{  
    color:rgb(234, 234, 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(234, 234, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 234, 252) }
```

Border

The CSS property to change the border of an element to Yxy 83.3663, 0.3017, 0.3108 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(234, 234, 252) }
```

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

```
.border{ border-color:rgb(234, 234, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 234, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 234, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 234, 252);  
box-shadow:4px 4px 4px 4px rgb(234, 234,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3663, 0.3017, 0.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 234, 252) }
```

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

```
.background{ background-color: rgb(234,  
234, 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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