

Converting Colors

Yxy(56.8555, 0.3172, 0.2819)

Have a look what the booklet for
Yxy(56.8555, 0.3172, 0.2819)
contains.

Yxy(56.8713, 0.3174, 0.2816)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.8713, 0.3174, 0.2816)

Conversions

Conversions Part 1

Format	Color
Hex	E7B8E4
RGB	231, 184, 228
RGB Percent	91%, 72%, 89%
CMY	0.0940, 0.2784, 0.1059
CMYK	0.00, 0.20, 0.01, 0.09
HSL	304°, 50%, 81%
HSV	304°, 20%, 91%
XYZ	64.1014, 56.8713, 80.9851
YIQ	203.0690, 13.8880, 23.6480

Conversions

Conversions Part 2

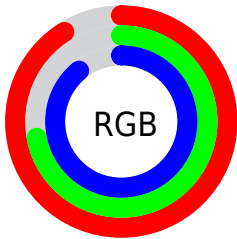
Format	Color
R _Y B	231, 184, 228
Decimal	15186148
CIE Lab	80.11, 24.22, -15.51
CIE LCh	80, 28.760, 327.373
Yxy	56.8713, 0.3174, 0.2816
Android (android.graphics.Color)	4293376228 (0xFFE7B8E4)
YUV	203.0690, 12.2910, 24.4955
Hunter-Lab	75.4131, 19.7528, -10.8816

Details

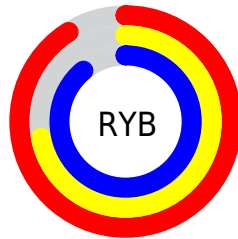
The Yxy color $56.8713, 0.3174, 0.2816$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $70.9423, 0.3082, 0.3815$, and the grayscale version is $59.6833, 0.3127, 0.3290$.

A 20% lighter version of the original color is $90.8002, 0.3134, 0.3146$, and $28.3637, 0.3176, 0.2702$ is the 20% darker color. If you saturate the color by 10%, you get $47.9644, 0.3200, 0.2580$, and if you desaturate by 10%, it is $67.3511, 0.3150, 0.3052$.

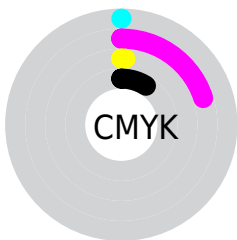
Distribution



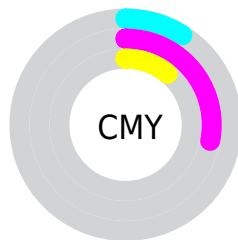
- Red (91%)
- Green (72%)
- Blue (89%)



- Red (91%)
- Yellow (72%)
- Blue (89%)



- Cyan (0%)
- Magenta (20%)
- Yellow (1%)
- Black (9%)





- Cyan (9%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8713, 0.3174, 0.2816 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 56.8713, 0.3174, 0.2816 by changing the saturation by 10% instead.


 56.8713, 0.3174,
0.2816

 56.8713, 0.3174,
0.2816

412.9669, 0.3155,
0.3036

 40.9019, 0.3178,
0.2766


 100.2774, 0.3168,
0.2892

 28.2425, 0.3182,
0.2703


128.4829, 0.3166,
0.2922

 18.5085, 0.3186,
0.2624


161.5358, 0.3163,
0.2948

 11.3157, 0.3191,
0.2521

199.8207, 0.3161,
0.2970

 6.2796, 0.3195,
0.2381

243.7218, 0.3160,
0.2990

 3.0158, 0.3197,
0.2179

293.6236, 0.3158,

 1.1400, 0.3187,

0.3007

0.1868

349.9105, 0.3156,
0.3022

0.0119, 0.3508,
0.0069

0.0000, 0.0000,
0.0000

56.8713, 0.3174,
0.2816

56.8713, 0.3174,
0.2816

47.9644, 0.3200,
0.2580

67.3511, 0.3150,
0.3052

40.5471, 0.3228,
0.2353

79.4671, 0.3128,
0.3282

34.5393, 0.3256,
0.2144

93.2883, 0.3108,
0.3501

29.8510, 0.3285,
0.1963

94.4497, 0.3099,
0.3503

■ 26.3813, 0.3312,
0.1819

■ 94.5358, 0.3091,
0.3487

■ 24.0151, 0.3338,
0.1716

■ 94.6225, 0.3082,
0.3472

■ 22.6151, 0.3361,
0.1658

■ 94.7100, 0.3074,
0.3457

■ 21.9555, 0.3381,
0.1636

■ 94.7983, 0.3065,
0.3442

■ 94.8872, 0.3057,
0.3426

Harmonies

Analogous

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



56.8713, 0.2809, 0.2689



56.8713, 0.3174, 0.2816



56.8713, 0.3546, 0.3051

Triad

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



56.8713, 0.3174, 0.2816



56.8713, 0.3727, 0.3884



56.8713, 0.2488, 0.3168

Complementary

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



56.8713, 0.3174, 0.2816



70.9423, 0.3082, 0.3815

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.



56.8713, 0.2708, 0.3535



56.8713, 0.3174, 0.2816



56.8713, 0.3420, 0.3966

Square

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



56.8713, 0.3174, 0.2816



56.8713, 0.3875, 0.3651



56.8713, 0.3046, 0.3840



56.8713, 0.2431, 0.2868

Rectangle

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



56.8713, 0.3174, 0.2816



56.8713, 0.3740, 0.3246



56.8713, 0.3046, 0.3840



56.8713, 0.2545, 0.3289

Sweetspot

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



56.8738, 0.3174, 0.2816



90.5602, 0.3140, 0.3152



50.5349, 0.2804, 0.2731



19.1735, 0.3142, 0.3137



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.



56.8738, 0.3174, 0.2816



66.7228, 0.3184, 0.2727



55.6887, 0.3355, 0.3056



14.5983, 0.3148, 0.3073



12.3134, 0.3378, 0.1634



0.9148, 0.3350, 0.1619

Inverse Universe

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



56.8738, 0.3174, 0.2816



66.7228, 0.3184, 0.2727



71.9991, 0.2945, 0.3537



14.5983, 0.3148, 0.3073



12.3134, 0.3378, 0.1634



0.9148, 0.3350, 0.1619

Previews

White Background



This preview shows how the Yxy color 56.8713, 0.3174, 0.2816 looks on a white background.

Color Contrast Check

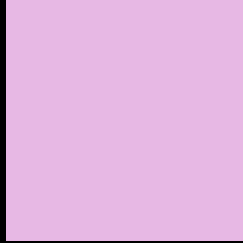
Large Text (above 18pt) WCAG AA × Fail

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 56.8713, 0.3174, 0.2816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

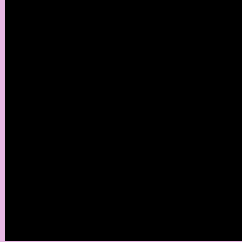
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.8713, 0.3174, 0.2816

Background



This preview shows how black text looks on a background with the Yxy color 56.8713, 0.3174, 0.2816.



This preview shows how white text looks on a background with the Yxy color 56.8713, 0.3174, 0.2816.

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

56.8713, 0.3174, 0.2816

Protanopia

57.1233, 0.2809, 0.2828

Deuteranopia

57.0537, 0.2982, 0.2924



Tritanopia

56.7722, 0.3342, 0.3123

Trichromacy



Original Color

56.8713, 0.3174, 0.2816

Protanomaly

56.7616, 0.2934, 0.2816

Deuteranomaly

56.6691, 0.3044, 0.2875

Tritanomaly

56.9521, 0.3280, 0.3014

Monochromacy



Original Color

56.8713, 0.3174, 0.2816

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

58.3795, 0.3144, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8713, 0.3174, 0.2816 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, 184, 228)` looks like.

```
.text, #text, p{  
    color:rgb(231, 184, 228)  
}
```

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, 184, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 184, 228) }
```

Border

The CSS property to change the border of an element to Yxy 56.8713, 0.3174, 0.2816 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, 184, 228) }
```

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

```
.border{ border-color:rgb(231, 184, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 184, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 184, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 184, 228); box-shadow:4px 4px 4px 4px rgb(231, 184, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8713, 0.3174, 0.2816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 184, 228) }
```

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

```
.background{ background-color: rgb(231,  
184, 228) }
```

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