

Converting Colors

$Y_{xy}(56.7009, 0.3021, 0.2745)$

Have a look what the booklet for
Yxy(56.7009, 0.3021, 0.2745)
contains.

Yxy(56.8707, 0.3019, 0.2744)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.8707, 0.3019, 0.2744)

Conversions

Conversions Part 1

Format	Color
Hex	DCBBED
RGB	220, 187, 237
RGB Percent	86%, 73%, 93%
CMY	0.1373, 0.2666, 0.0705
CMYK	0.07, 0.21, 0.00, 0.07
HSL	280°, 58%, 83%
HSV	280°, 21%, 93%
XYZ	62.5702, 56.8707, 87.8138
YIQ	202.5670, 3.6180, 22.5460

Conversions

Conversions Part 2

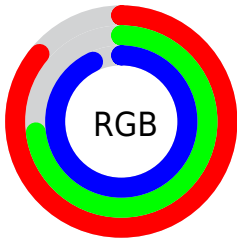
Format	Color
R _{YB}	220, 187, 237
Decimal	14466029
CIE _{Lab}	80.11, 20.70, -20.46
CIE _{LCh}	80, 29.110, 315.334
Yxy	56.8707, 0.3019, 0.2744
Android (android.graphics.Color)	4292656109 (0xFFDCBBED)
YUV	202.5670, 16.9755, 15.2887
Hunter-Lab	75.4127, 16.1300, -16.2510

Details

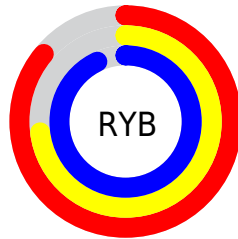
The Yxy color **56.8707, 0.3019, 0.2744** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **77.0107, 0.3214, 0.3857**, and the grayscale version is **59.3265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5812, 0.3133, 0.3175**, and **28.3857, 0.2991, 0.2622** is the 20% darker color. If you saturate the color by 10%, you get **46.4031, 0.2954, 0.2466**, and if you desaturate by 10%, it is **69.0637, 0.3075, 0.3011**.

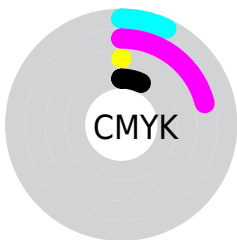
Distribution



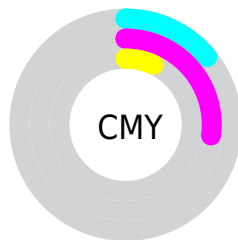
- Red (86%)
- Green (73%)
- Blue (93%)



- Red (86%)
- Yellow (73%)
- Blue (93%)



- Cyan (7%)
- Magenta (21%)
- Yellow (0%)
- Black (7%)




- Cyan (14%)
- Magenta (27%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8707, 0.3019, 0.2744 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 56.8707, 0.3019, 0.2744 by changing the saturation by 10% instead.


 56.8707, 0.3019,
0.2744

 56.8707, 0.3019,
0.2744

412.9646, 0.3075,
0.2997

 40.9014, 0.3005,
0.2686


 100.2765, 0.3040,
0.2832

 28.2421, 0.2987,
0.2615


128.4818, 0.3047,
0.2866

 18.5082, 0.2962,
0.2525


161.5346, 0.3054,
0.2895

 11.3155, 0.2929,
0.2408

199.8193, 0.3059,
0.2921

 6.2794, 0.2879,
0.2250

243.7202, 0.3064,
0.2943

 3.0157, 0.2800,
0.2026

293.6219, 0.3068,

 1.1400, 0.2661,

0.2963

0.1687

349.9085, 0.3072,
0.2981

0.0118, 0.2513,
0.0058

0.0000, 0.0000,
0.0000

56.8707, 0.3019,
0.2744

56.8707, 0.3019,
0.2744

46.4031, 0.2954,
0.2466

69.0637, 0.3075,
0.3011

37.5713, 0.2879,
0.2187

83.0513, 0.3122,
0.3263

30.2887, 0.2796,
0.1915

96.9050, 0.3164,
0.3467

24.4575, 0.2707,
0.1664

98.3825, 0.3215,
0.3464

■ 19.9687, 0.2614,
0.1445

■ 98.8955, 0.3232,
0.3463

■ 16.6969, 0.2521,
0.1270

■ 14.4927, 0.2430,
0.1145

■ 13.2130, 0.2354,
0.1071

Harmonies

Analogous

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



56.8707, 0.2682, 0.2670



56.8707, 0.3019, 0.2744



56.8707, 0.3407, 0.2943

Triad

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



56.8707, 0.3019, 0.2744



56.8707, 0.3818, 0.3810



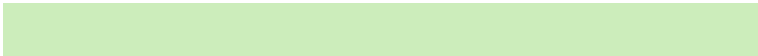
56.8707, 0.2552, 0.3314

Complementary

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



56.8707, 0.3019, 0.2744



77.0107, 0.3214, 0.3857

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.



56.8707, 0.2830, 0.3677



56.8707, 0.3019, 0.2744



56.8707, 0.3562, 0.3965

Square

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



56.8707, 0.3019, 0.2744



56.8707, 0.3884, 0.3536



56.8707, 0.3198, 0.3924



56.8707, 0.2425, 0.2970

Rectangle

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



56.8707, 0.3019, 0.2744



56.8707, 0.3638, 0.3124



56.8707, 0.3198, 0.3924



56.8707, 0.2630, 0.3439

Sweetspot

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



56.8731, 0.3019, 0.2744



89.6487, 0.3100, 0.3142



60.1108, 0.2787, 0.2914



18.9576, 0.3097, 0.3125



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.



56.8731, 0.3019, 0.2744



61.9629, 0.2994, 0.2634



59.2380, 0.3208, 0.2840



15.0421, 0.3083, 0.3054



7.2877, 0.2368, 0.1078



0.6249, 0.2486, 0.1143

Inverse Universe

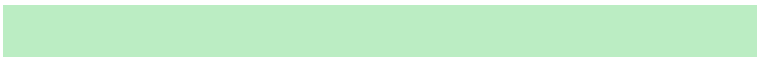
The Inverse Universe completely reimagines the original color for something new.



57.9134, 0.3411, 0.3105



63.4329, 0.3479, 0.3068



75.0632, 0.3055, 0.3786



15.1387, 0.3239, 0.3210



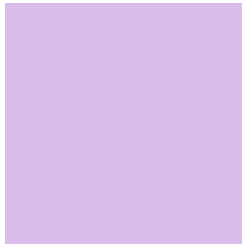
10.1739, 0.5610, 0.2864



0.8163, 0.5222, 0.2650

Previews

White Background



This preview shows how the Yxy color 56.8707, 0.3019, 0.2744 looks on a white background.

Color Contrast Check

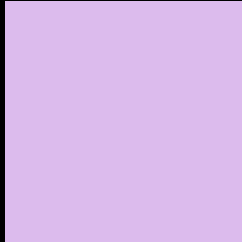
Large Text (above 18pt) WCAG AA × Fail

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 56.8707, 0.3019, 0.2744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

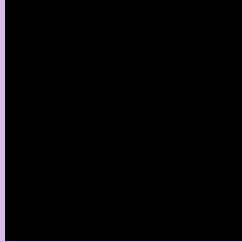
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.8707, 0.3019, 0.2744

Background



This preview shows how black text looks on a background with the Yxy color 56.8707, 0.3019, 0.2744.



This preview shows how white text looks on a background with the Yxy color 56.8707, 0.3019, 0.2744.

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

56.8707, 0.3019, 0.2744

Protanopia

57.1555, 0.2745, 0.2750

Deuteranopia

56.9191, 0.2877, 0.2812



Tritanopia

56.6513, 0.3200, 0.3118

Trichromacy



Original Color

56.8707, 0.3019, 0.2744

Protanomaly

56.7702, 0.2844, 0.2748

Deuteranomaly

56.5831, 0.2928, 0.2784

Tritanomaly

56.6406, 0.3134, 0.2974

Monochromacy



Original Color

56.8707, 0.3019, 0.2744

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

58.3941, 0.3090, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8707, 0.3019, 0.2744 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(220, 187, 237)` looks like.

```
.text, #text, p{  
    color:rgb(220, 187, 237)  
}
```

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(220, 187, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 187, 237) }
```

Border

The CSS property to change the border of an element to Yxy 56.8707, 0.3019, 0.2744 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(220, 187, 237) }
```

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

```
.border{ border-color:rgb(220, 187, 237) }
```

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

Here you see how a box with a 4 pixel rgb(220, 187, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 187, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 187, 237);  
box-shadow:4px 4px 4px 4px rgb(220, 187,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8707, 0.3019, 0.2744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 187, 237) }
```

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

```
.background{ background-color: rgb(220,  
187, 237) }
```

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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