

Converting Colors

$Y_{xy}(56.3845, 0.3175, 0.2690)$

Have a look what the booklet for
Yxy(56.3845, 0.3175, 0.2690)
contains.

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Color

Yxy(56.4735, 0.3171, 0.2692)

Conversions

Conversions Part 1

Format	Color
Hex	EEB3EC
RGB	238, 179, 236
RGB Percent	93%, 70%, 93%
CMY	0.0667, 0.2980, 0.0743
CMYK	0.00, 0.25, 0.01, 0.07
HSL	302°, 63%, 82%
HSV	302°, 25%, 93%
XYZ	66.5221, 56.4735, 86.7871
YIQ	203.1390, 16.8670, 30.2350

Conversions

Conversions Part 2

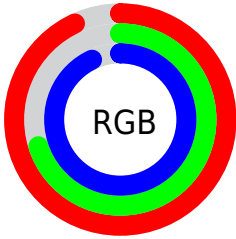
Format	Color
R _Y B	238, 179, 236
Decimal	15643628
CIE Lab	79.88, 30.64, -20.12
CIE LCh	80, 36.657, 326.708
Yxy	56.4735, 0.3171, 0.2692
Android (android.graphics.Color)	4293833708 (0xFFEEB3EC)
YUV	203.1390, 16.2005, 30.5731
Hunter-Lab	75.1489, 26.4985, -15.8680

Details

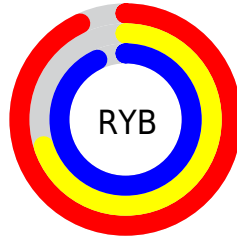
The Yxy color $56.4735, 0.3171, 0.2692$ is a light color, and the websafe version is hex `FFCCFF`. A complement of this color would be $74.0595, 0.3083, 0.3971$, and the grayscale version is $59.7032, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.8967, 0.3136, 0.3097$, and $28.0408, 0.3172, 0.2559$ is the 20% darker color. If you saturate the color by 10%, you get $47.6998, 0.3190, 0.2453$, and if you desaturate by 10%, it is $66.8985, 0.3152, 0.2936$.

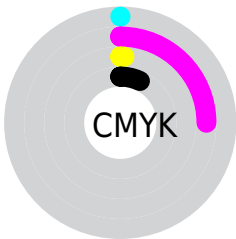
Distribution



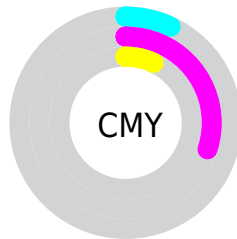
- Red (93%)
- Green (70%)
- Blue (93%)



- Red (93%)
- Yellow (70%)
- Blue (93%)



- Cyan (0%)
- Magenta (25%)
- Yellow (1%)
- Black (7%)




- Cyan (7%)
- Magenta (30%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4735, 0.3171, 0.2692 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 56.4735, 0.3171, 0.2692 by changing the saturation by 10% instead.


 56.4735, 0.3171,
0.2692

 56.4735, 0.3171,
0.2692


411.4735, 0.3156,
0.2967

 40.5827, 0.3173,
0.2630


 99.6965, 0.3167,
0.2787

 27.9931, 0.3175,
0.2554


127.7976, 0.3165,
0.2824

 18.3205, 0.3177,
0.2458

160.7374, 0.3163,
0.2856

 11.1803, 0.3177,
0.2334

198.9006, 0.3161,
0.2884

 6.1883, 0.3174,
0.2168

242.6713, 0.3160,
0.2908

 2.9599, 0.3163,
0.1935

292.4342, 0.3158,

 1.1108, 0.3127,

0.2930

0.1589

348.5734, 0.3157,
0.2949

0.0000, 0.3352,
0.0000

0.0000, 0.0000,
0.0000

56.4735, 0.3171,
0.2692

56.4735, 0.3171,
0.2692

47.6998, 0.3190,
0.2453

66.8985, 0.3152,
0.2936

40.4855, 0.3210,
0.2227


79.0460, 0.3135,
0.3177

34.7410, 0.3229,
0.2025


92.9918, 0.3119,
0.3410


30.3647, 0.3247,
0.1856


95.9373, 0.3112,
0.3447

 27.2418, 0.3263,
0.1728

 95.9837, 0.3108,
0.3439


 25.2391, 0.3277,
0.1642


 96.0302, 0.3103,
0.3431

 24.1933, 0.3289,
0.1599

 96.0770, 0.3099,
0.3424

 23.8973, 0.3294,
0.1588

 96.1240, 0.3095,
0.3416

 96.1712, 0.3090,
0.3408

Harmonies

Analogous

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



56.4735, 0.2712, 0.2537



56.4735, 0.3171, 0.2692



56.4735, 0.3652, 0.2979

Triad

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



56.4735, 0.3171, 0.2692



56.4735, 0.3893, 0.4034



56.4735, 0.2326, 0.3135

Complementary

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



56.4735, 0.3171, 0.2692



74.0595, 0.3083, 0.3971

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.



56.4735, 0.2601, 0.3613



56.4735, 0.3171, 0.2692



56.4735, 0.3501, 0.4162

Square

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



56.4735, 0.3171, 0.2692



56.4735, 0.4083, 0.3725



56.4735, 0.3027, 0.4013



56.4735, 0.2253, 0.2754

Rectangle

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



56.4735, 0.3171, 0.2692



56.4735, 0.3906, 0.3218



56.4735, 0.3027, 0.4013



56.4735, 0.2396, 0.3291

Sweetspot

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



56.4760, 0.3171, 0.2692



89.0975, 0.3139, 0.3124



48.1163, 0.2708, 0.2587



18.8797, 0.3140, 0.3109



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.



56.4760, 0.3171, 0.2692



60.3592, 0.3181, 0.2563



54.9472, 0.3402, 0.2981



16.0219, 0.3143, 0.3065



13.3379, 0.3293, 0.1588



1.1124, 0.3281, 0.1581

Inverse Universe

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



56.4760, 0.3171, 0.2692



60.3592, 0.3181, 0.2563



75.3528, 0.2919, 0.3622



16.0219, 0.3143, 0.3065



13.3379, 0.3293, 0.1588



1.1124, 0.3281, 0.1581

Previews

White Background



This preview shows how the Yxy color 56.4735, 0.3171, 0.2692 looks on a white background.

Color Contrast Check

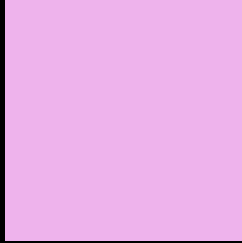
Large Text (above 18pt) WCAG AA × Fail

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 56.4735, 0.3171, 0.2692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

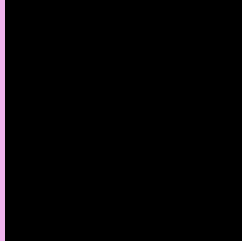
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.4735, 0.3171, 0.2692

Background



This preview shows how black text looks on a background with the Yxy color 56.4735, 0.3171, 0.2692.



This preview shows how white text looks on a background with the Yxy color 56.4735, 0.3171, 0.2692.

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

56.4735, 0.3171, 0.2692

Protanopia

56.6963, 0.2706, 0.2695

Deuteranopia

56.8843, 0.2905, 0.2844



Tritanopia

56.6116, 0.3412, 0.3136

Trichromacy



Original Color

56.4735, 0.3171, 0.2692



Protanomaly

56.3377, 0.2859, 0.2688



Deuteranomaly

56.6318, 0.2994, 0.2790



Tritanomaly

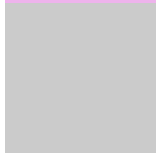
56.3332, 0.3326, 0.2964

Monochromacy



Original Color

56.4735, 0.3171, 0.2692



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

58.0888, 0.3146, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4735, 0.3171, 0.2692 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(238, 179, 236)` looks like.

```
.text, #text, p{  
    color:rgb(238, 179, 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(238, 179, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 179, 236) }
```

Border

The CSS property to change the border of an element to Yxy 56.4735, 0.3171, 0.2692 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(238, 179, 236) }
```

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

```
.border{ border-color:rgb(238, 179, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 179, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 179, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 179, 236);  
box-shadow:4px 4px 4px 4px rgb(238, 179,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4735, 0.3171, 0.2692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 179, 236) }
```

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

```
.background{ background-color: rgb(238,  
179, 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](#).

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