

Converting Colors

$Y_{xy}(76.6950, 0.3150, 0.3125)$

Have a look what the booklet for
Yxy(76.6950, 0.3150, 0.3125)
contains.

Yxy(76.9409, 0.3149, 0.3127)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.9409, 0.3149, 0.3127)

Conversions

Conversions Part 1

Format	Color
Hex	F0DEEE
RGB	240, 222, 238
RGB Percent	94%, 87%, 93%
CMY	0.0589, 0.1294, 0.0668
CMYK	0.00, 0.07, 0.01, 0.06
HSL	307°, 37%, 91%
HSV	307°, 7%, 94%
XYZ	77.4822, 76.9409, 91.6303
YIQ	229.2060, 5.5920, 8.7920

Conversions

Conversions Part 2

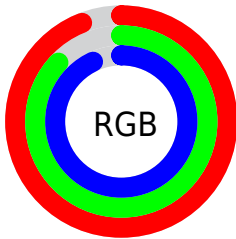
Format	Color
R_{YB}	240, 222, 238
Decimal	15785710
CIE _{Lab}	90.29, 8.91, -5.56
CIE _{LCh}	90, 10.505, 328.060
Yxy	76.9409, 0.3149, 0.3127
Android (android.graphics.Color)	4293975790 (0xFFFF0DEEE)
YUV	229.2060, 4.3354, 9.4663
Hunter-Lab	87.7160, 4.1716, -0.5346

Details

The Yxy color `76.9409, 0.3149, 0.3127` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `83.2297, 0.3106, 0.3459`, and the grayscale version is `78.4786, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `41.2052, 0.3155, 0.3093` is the 20% darker color. If you saturate the color by 10%, you get `64.9318, 0.3182, 0.2903`, and if you desaturate by 10%, it is `90.7735, 0.3120, 0.3343`.

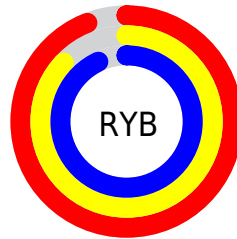
Distribution



Red (94%)

Green (87%)

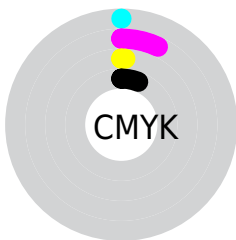
Blue (93%)



Red (94%)

Yellow (87%)

Blue (93%)

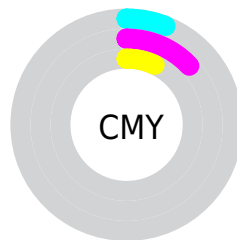


Cyan (0%)

Magenta (7%)

Yellow (1%)

Black (6%)



Cyan (6%)


Magenta (13%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9409, 0.3149, 0.3127 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 76.9409, 0.3149, 0.3127 by changing the saturation by 10% instead.


 76.9409, 0.3149,
0.3127

 76.9409, 0.3149,
0.3127

484.5625, 0.3139,
0.3201

 57.2044, 0.3151,
0.3111

129.0561, 0.3146,
0.3152

 41.1693, 0.3154,
0.3090


162.2035, 0.3145,
0.3162

 28.4514, 0.3157,
0.3065


200.5900, 0.3143,
0.3171

 18.6662, 0.3160,
0.3032

244.5999, 0.3142,
0.3178

 11.4294, 0.3165,
0.2989

294.6178, 0.3142,
0.3185

 6.3564, 0.3172,
0.2927

351.0279, 0.3141,

 3.0630, 0.3182,

0.3191

0.2835

414.2147, 0.3140,
0.3196

■ 1.1647, 0.3195,
0.2679

■ 0.0326, 0.3525,
0.0462

■ 76.9409, 0.3149,
0.3127

■ 76.9409, 0.3149,
0.3127

■ 64.9318, 0.3182,
0.2903

■ 90.7735, 0.3120,
0.3343

■ 54.6600, 0.3218,
0.2676

■ 96.5368, 0.3101,
0.3405

■ 46.0472, 0.3257,
0.2455

■ 96.7014, 0.3086,
0.3378

■ 39.0050, 0.3300,
0.2247

■ 96.8685, 0.3070,
0.3351

■ 33.4372, 0.3344,
0.2063

■ 97.0380, 0.3055,
0.3324

■ 29.2366, 0.3388,
0.1912

■ 97.2099, 0.3040,
0.3298

■ 26.2819, 0.3432,
0.1802

■ 97.2635, 0.3035,
0.3290

■ 24.4302, 0.3473,
0.1737

■ 23.4925, 0.3511,
0.1715

Harmonies

Analogous

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



76.9409, 0.3026, 0.3083



76.9409, 0.3149, 0.3127



76.9409, 0.3268, 0.3213

Triad

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



76.9409, 0.3149, 0.3127



76.9409, 0.3325, 0.3491



76.9409, 0.2909, 0.3254

Complementary

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



76.9409, 0.3149, 0.3127



83.2297, 0.3106, 0.3459

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.



76.9409, 0.2986, 0.3368



76.9409, 0.3149, 0.3127



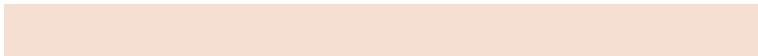
76.9409, 0.3226, 0.3506

Square

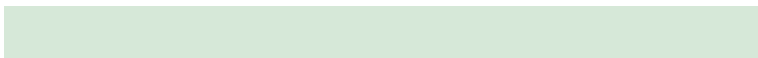
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9409, 0.3149, 0.3127



76.9409, 0.3371, 0.3421



76.9409, 0.3102, 0.3462



76.9409, 0.2889, 0.3153

Rectangle

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



76.9409, 0.3149, 0.3127



76.9409, 0.3329, 0.3283



76.9409, 0.3102, 0.3462



76.9409, 0.2929, 0.3292

Sweetspot

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



76.9442, 0.3149, 0.3127



96.7522, 0.3133, 0.3247



74.3573, 0.3024, 0.3100



20.7430, 0.3133, 0.3249



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.



76.9442, 0.3149, 0.3127



86.0562, 0.3154, 0.3093



76.4416, 0.3207, 0.3216



15.9990, 0.3155, 0.3083



12.7835, 0.3515, 0.1710



1.0721, 0.3469, 0.1685

Inverse Universe

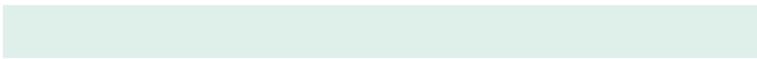
The Inverse Universe completely reimagines the original color for something new.



76.9442, 0.3149, 0.3127



86.0562, 0.3154, 0.3093



83.7177, 0.3054, 0.3365



15.9990, 0.3155, 0.3083



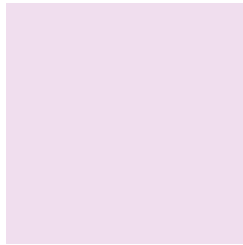
12.7835, 0.3515, 0.1710



1.0721, 0.3469, 0.1685

Previews

White Background



This preview shows how the Yxy color 76.9409, 0.3149, 0.3127 looks on a white background.

Color Contrast Check

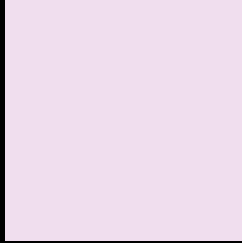
Large Text (above 18pt) WCAG AA × Fail

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 76.9409, 0.3149, 0.3127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

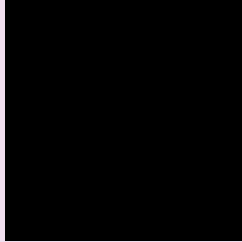
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

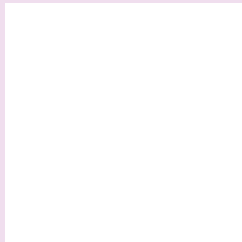
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9409, 0.3149, 0.3127

Background



This preview shows how black text looks on a background with the Yxy color 76.9409, 0.3149, 0.3127.



This preview shows how white text looks on a background with the Yxy color 76.9409, 0.3149, 0.3127.

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

76.9409, 0.3149, 0.3127

Protanopia

77.0149, 0.3045, 0.3144

Deuteranopia

76.5925, 0.3178, 0.3108



Tritanopia

76.9998, 0.3142, 0.3117

Trichromacy



Original Color

76.9409, 0.3149, 0.3127

Protanomaly

77.2382, 0.3086, 0.3145

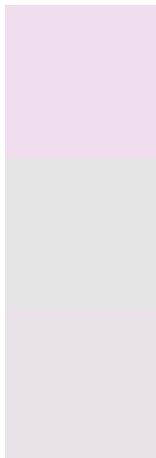
Deuteranomaly

76.9406, 0.3171, 0.3117

Tritanomaly

76.9998, 0.3142, 0.3117

Monochromacy



Original Color

76.9409, 0.3149, 0.3127

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

77.5425, 0.3137, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9409, 0.3149, 0.3127 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(240, 222, 238)` looks like.

```
.text, #text, p{  
    color:rgb(240, 222, 238)  
}
```

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(240, 222, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 222, 238) }
```

Border

The CSS property to change the border of an element to Yxy 76.9409, 0.3149, 0.3127 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(240, 222, 238) }
```

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

```
.border{ border-color:rgb(240, 222, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 222, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 222, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 222, 238);  
box-shadow:4px 4px 4px 4px rgb(240, 222,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9409, 0.3149, 0.3127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 222, 238) }
```

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

```
.background{ background-color: rgb(240,  
222, 238) }
```

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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