

Converting Colors

$Y_{xy}(37.8987, 0.3174, 0.2279)$

Have a look what the booklet for
Yxy(37.8987, 0.3174, 0.2279)
contains.

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Color

Yxy(37.9463, 0.3175, 0.2278)

Conversions

Conversions Part 1

Format	Color
Hex	E184E1
RGB	225, 132, 225
RGB Percent	88%, 52%, 88%
CMY	0.1177, 0.4823, 0.1178
CMYK	0.00, 0.41, 0.00, 0.12
HSL	300°, 61%, 70%
HSV	300°, 41%, 88%
XYZ	52.8883, 37.9463, 75.7427
YIQ	170.4090, 25.5750, 48.6390

Conversions

Conversions Part 2

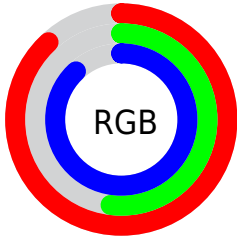
Format	Color
R _Y B	225, 132, 225
Decimal	14779617
CIE Lab	67.98, 49.27, -32.42
CIE LCh	68, 58.975, 326.657
Yxy	37.9463, 0.3175, 0.2278
Android (android.graphics.Color)	4292969697 (0xFFE184E1)
YUV	170.4090, 26.9134, 47.8763
Hunter-Lab	61.6006, 45.4534, -29.7813

Details

The Yxy color **37.9463, 0.3175, 0.2278** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **60.4239, 0.3067, 0.4564**, and the grayscale version is **40.2681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0206, 0.3158, 0.2624**, and **16.7814, 0.3173, 0.2039** is the 20% darker color. If you saturate the color by 10%, you get **32.4884, 0.3185, 0.2063**, and if you desaturate by 10%, it is **44.7234, 0.3164, 0.2514**.

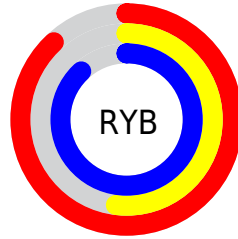
Distribution



Red (88%)

Green (52%)

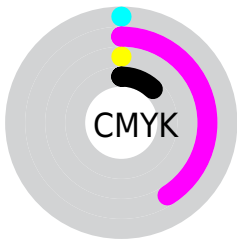
Blue (88%)



Red (88%)

Yellow (52%)

Blue (88%)

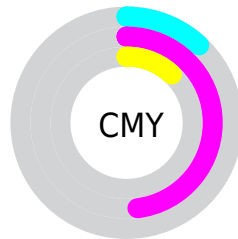


Cyan (0%)

Magenta (41%)

Yellow (0%)

Black (12%)



Cyan (12%)


Magenta (48%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9463, 0.3175, 0.2278 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 37.9463, 0.3175, 0.2278 by changing the saturation by 10% instead.


 37.9463, 0.3175,
0.2278


 37.9463, 0.3175,
0.2278

337.3896, 0.3168,
0.2754


 25.9410, 0.3172,
0.2169


 72.0258, 0.3176,
0.2444

 16.7795, 0.3167,
0.2035


 94.8688, 0.3175,
0.2508

 10.0774, 0.3155,
0.1866


 122.0932, 0.3174,
0.2563

 5.4503, 0.3132,
0.1648

154.0834, 0.3173,
0.2611

 2.5138, 0.3087,
0.1361

191.2237, 0.3172,
0.2653

 0.8835, 0.2988,
0.0976


233.8986, 0.3170,

 0.0000, 0.2890,

0.2691


0.0000

282.4924, 0.3169,
0.2724


 0.0000, 0.0000,
0.0000


 37.9463, 0.3175,
0.2278


 37.9463, 0.3175,
0.2278


 32.4884, 0.3185,
0.2063


 44.7234, 0.3164,
0.2514


 28.2593, 0.3194,
0.1879


 52.8925, 0.3152,
0.2762


 25.1651, 0.3201,
0.1732


 62.5269, 0.3140,
0.3012


 23.0965, 0.3206,
0.1629

 73.6936, 0.3129,
0.3258

 21.9224, 0.3209,
0.1568


 86.4552, 0.3118,
0.3494

 21.4386, 0.3210,
0.1542

 92.9645, 0.3113,
0.3599

 92.9650, 0.3113,
0.3599

 92.9655, 0.3112,
0.3599

 92.9660, 0.3112,
0.3599

Harmonies

Analogous

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



37.9463, 0.2379, 0.2025



37.9463, 0.3175, 0.2278



37.9463, 0.4079, 0.2731

Triad

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



37.9463, 0.3175, 0.2278



37.9463, 0.4434, 0.4534



37.9463, 0.1747, 0.2946

Complementary

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



37.9463, 0.3175, 0.2278



60.4239, 0.3067, 0.4564

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.



37.9463, 0.2170, 0.3889



37.9463, 0.3175, 0.2278



37.9463, 0.3716, 0.4909

Square

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



37.9463, 0.3175, 0.2278



37.9463, 0.4836, 0.3934



37.9463, 0.2888, 0.4713



37.9463, 0.1653, 0.2305

Rectangle

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



37.9463, 0.3175, 0.2278



37.9463, 0.4562, 0.3107



37.9463, 0.2888, 0.4713



37.9463, 0.1850, 0.3239

Sweetspot

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



37.9480, 0.3175, 0.2278



82.0058, 0.3141, 0.2993



26.8494, 0.2358, 0.2019



17.1722, 0.3143, 0.2961



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.



37.9480, 0.3175, 0.2278



43.7849, 0.3184, 0.2083



35.7486, 0.3647, 0.2751



13.9356, 0.3138, 0.3059



12.3541, 0.3210, 0.1542



0.8563, 0.3210, 0.1542

Inverse Universe

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



37.9480, 0.3175, 0.2278



43.7849, 0.3184, 0.2083



61.9913, 0.2809, 0.3910



13.9356, 0.3138, 0.3059



12.3541, 0.3210, 0.1542



0.8563, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 37.9463, 0.3175, 0.2278 looks on a white background.

Color Contrast Check

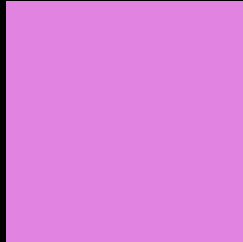
Large Text (above 18pt) WCAG AA × Fail

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 37.9463, 0.3175, 0.2278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

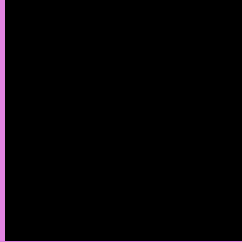
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9463, 0.3175, 0.2278

Background



This preview shows how black text looks on a background with the Yxy color 37.9463, 0.3175, 0.2278.

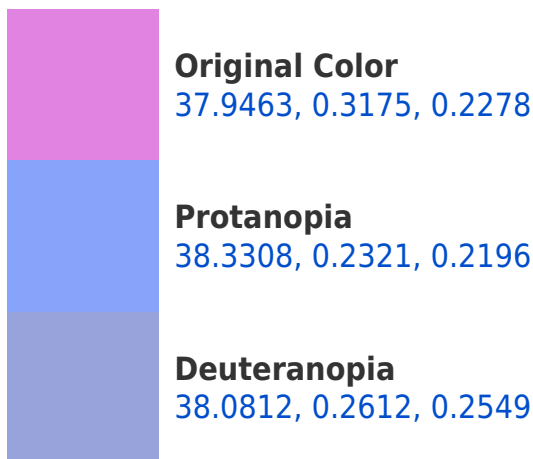


This preview shows how white text looks on a background with the Yxy color 37.9463, 0.3175, 0.2278.

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





Tritanopia

37.9350, 0.3739, 0.3157

Trichromacy



Original Color

37.9463, 0.3175, 0.2278



Protanomaly

37.1322, 0.2567, 0.2204



Deuteranomaly

37.2606, 0.2793, 0.2428



Tritanomaly

37.7835, 0.3528, 0.2816

Monochromacy



Original Color

37.9463, 0.3175, 0.2278



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.4418, 0.3148, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9463, 0.3175, 0.2278 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(225, 132, 225)` looks like.

```
.text, #text, p{  
    color:rgb(225, 132, 225)  
}
```

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(225, 132, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 132, 225) }
```

Border

The CSS property to change the border of an element to Yxy 37.9463, 0.3175, 0.2278 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(225, 132, 225) }
```

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

```
.border{ border-color:rgb(225, 132, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 132, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 132, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 132, 225);  
box-shadow:4px 4px 4px 4px rgb(225, 132,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9463, 0.3175, 0.2278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 132, 225) }
```

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

```
.background{ background-color: rgb(225,  
132, 225) }
```

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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