

Converting Colors

$Y_{xy}(37.5450, 0.3198, 0.2191)$

Have a look what the booklet for
Yxy(37.5450, 0.3198, 0.2191)
contains.

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Color

Yxy(37.5362, 0.3198, 0.2187)

Conversions

Conversions Part 1

Format	Color
Hex	E87DE6
RGB	232, 125, 230
RGB Percent	91%, 49%, 90%
CMY	0.0903, 0.5097, 0.0981
CMYK	0.00, 0.46, 0.01, 0.09
HSL	301°, 70%, 70%
HSV	301°, 46%, 91%
XYZ	54.8883, 37.5362, 79.2088
YIQ	168.9630, 30.0670, 55.3390

Conversions

Conversions Part 2

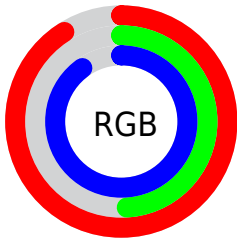
Format	Color
R _Y B	232, 125, 230
Decimal	15236582
CIE Lab	67.68, 55.70, -35.60
CIE LCh	68, 66.103, 327.412
Yxy	37.5362, 0.3198, 0.2187
Android (android.graphics.Color)	4293426662 (0xFFE87DE6)
YUV	168.9630, 30.0912, 55.2834
Hunter-Lab	61.2668, 52.6995, -33.7663

Details

The Yxy color **37.5362, 0.3198, 0.2187** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **63.5945, 0.3049, 0.4713**, and the grayscale version is **39.4969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **16.5611, 0.3191, 0.1932** is the 20% darker color. If you saturate the color by 10%, you get **32.3091, 0.3213, 0.1988**, and if you desaturate by 10%, it is **44.1382, 0.3182, 0.2412**.

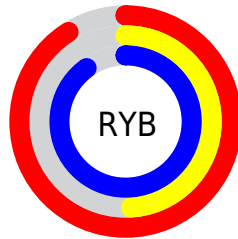
Distribution



Red (91%)

Green (49%)

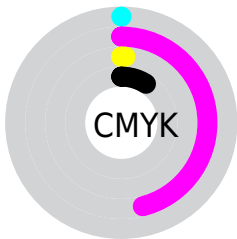
Blue (90%)



Red (91%)

Yellow (49%)

Blue (90%)

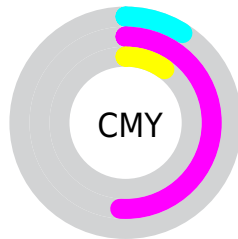


Cyan (0%)

Magenta (46%)

Yellow (1%)

Black (9%)



Cyan (9%)


Magenta (51%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5362, 0.3198, 0.2187 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 37.5362, 0.3198, 0.2187 by changing the saturation by 10% instead.


 37.5362, 0.3198,
0.2187


 37.5362, 0.3198,
0.2187


335.6262, 0.3182,
0.2700


 25.6229, 0.3197,
0.2071


 71.3967, 0.3196,
0.2364

 16.5418, 0.3192,
0.1929


 94.1127, 0.3195,
0.2433

 9.9083, 0.3181,
0.1752


 121.1984, 0.3193,
0.2493

 5.3382, 0.3159,
0.1528

153.0382, 0.3191,
0.2545

 2.4470, 0.3113,
0.1236

190.0165, 0.3189,
0.2591

 0.8499, 0.3012,
0.0858

232.5176, 0.3186,

 0.0000, 0.2888,

0.2631

0.0000

280.9261, 0.3184,
0.2667

■ 0.0000, 0.0590,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5362, 0.3198,
0.2187

■ 37.5362, 0.3198,
0.2187

■ 32.3091, 0.3213,
0.1988

■ 44.1382, 0.3182,
0.2412

■ 28.3549, 0.3226,
0.1822


■ 52.1975, 0.3167,
0.2652


■ 25.5658, 0.3238,
0.1698


■ 61.7962, 0.3151,
0.2899


■ 23.8140, 0.3247,
0.1616


■ 73.0085, 0.3136,
0.3144


 22.9406, 0.3254,
0.1577


 85.9041, 0.3122,
0.3381

 22.7351, 0.3257,
0.1568

 94.5309, 0.3113,
0.3517

 94.5554, 0.3110,
0.3512

 94.5801, 0.3108,
0.3508

 94.6048, 0.3105,
0.3503

Harmonies

Analogous

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



37.5362, 0.2312, 0.1907



37.5362, 0.3198, 0.2187



37.5362, 0.4218, 0.2680

Triad

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



37.5362, 0.3198, 0.2187



37.5362, 0.4536, 0.4656



37.5362, 0.1598, 0.2864

Complementary

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



37.5362, 0.3198, 0.2187



63.5945, 0.3049, 0.4713

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.



37.5362, 0.2039, 0.3936



37.5362, 0.3198, 0.2187



37.5362, 0.3728, 0.5110

Square

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



37.5362, 0.3198, 0.2187



37.5362, 0.5017, 0.3980



37.5362, 0.2817, 0.4902



37.5362, 0.1514, 0.2176

Rectangle

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



37.5362, 0.3198, 0.2187



37.5362, 0.4756, 0.3086



37.5362, 0.2817, 0.4902



37.5362, 0.1703, 0.3190

Sweetspot

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



37.5379, 0.3198, 0.2187



79.2571, 0.3148, 0.2949



24.9953, 0.2266, 0.1849



16.3574, 0.3151, 0.2896



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.



37.5379, 0.3198, 0.2187



40.5180, 0.3212, 0.2003



34.9882, 0.3757, 0.2709



14.6104, 0.3141, 0.3063



12.6267, 0.3256, 0.1567



0.9346, 0.3249, 0.1563

Inverse Universe

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



37.5379, 0.3198, 0.2187



40.5180, 0.3212, 0.2003



65.3688, 0.2771, 0.3974



14.6104, 0.3141, 0.3063



12.6267, 0.3256, 0.1567



0.9346, 0.3249, 0.1563

Previews

White Background



This preview shows how the Yxy color 37.5362, 0.3198, 0.2187 looks on a white background.

Color Contrast Check

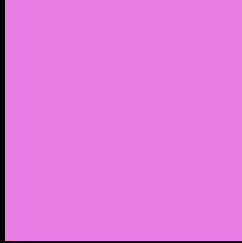
Large Text (above 18pt) WCAG AA × Fail

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 37.5362, 0.3198, 0.2187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

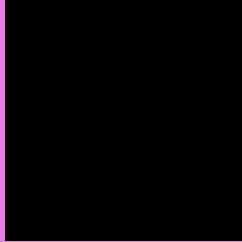
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5362, 0.3198, 0.2187

Background



This preview shows how black text looks on a background with the Yxy color 37.5362, 0.3198, 0.2187.

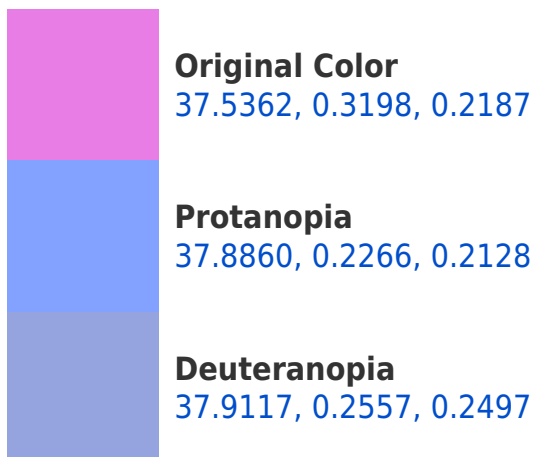


This preview shows how white text looks on a background with the Yxy color 37.5362, 0.3198, 0.2187.

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

37.4744, 0.3868, 0.3172

Trichromacy



Original Color

37.5362, 0.3198, 0.2187



Protanomaly

36.4735, 0.2532, 0.2121



Deuteranomaly

36.5696, 0.2754, 0.2339



Tritanomaly

37.1133, 0.3622, 0.2771

Monochromacy



Original Color

37.5362, 0.3198, 0.2187



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.7505, 0.3160, 0.2804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5362, 0.3198, 0.2187 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(232, 125, 230)` looks like.

```
.text, #text, p{  
    color:rgb(232, 125, 230)  
}
```

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(232, 125, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 125, 230) }
```

Border

The CSS property to change the border of an element to Yxy 37.5362, 0.3198, 0.2187 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(232, 125, 230) }
```

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

```
.border{ border-color:rgb(232, 125, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 125, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 125, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 125, 230);  
box-shadow:4px 4px 4px 4px rgb(232, 125,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5362, 0.3198, 0.2187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 125, 230) }
```

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

```
.background{ background-color: rgb(232,  
125, 230) }
```

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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