

Converting Colors

$Y_{xy}(37.8231, 0.3207, 0.2331)$

Have a look what the booklet for
Yxy(37.8231, 0.3207, 0.2331)
contains.

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Color

Yxy(37.7897, 0.3211, 0.2331)

Conversions

Conversions Part 1

Format	Color
Hex	E085DC
RGB	224, 133, 220
RGB Percent	88%, 52%, 86%
CMY	0.1214, 0.4785, 0.1372
CMYK	0.00, 0.41, 0.02, 0.12
HSL	303°, 60%, 70%
HSV	303°, 41%, 88%
XYZ	52.0561, 37.7897, 72.2722
YIQ	170.1270, 26.3090, 46.3490

Conversions

Conversions Part 2

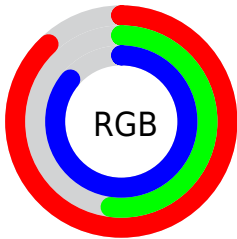
Format	Color
R _Y B	224, 133, 220
Decimal	14714332
CIE Lab	67.87, 47.60, -29.87
CIE LCh	68, 56.192, 327.892
Yxy	37.7897, 0.3211, 0.2331
Android (android.graphics.Color)	4292904412 (0xFFE085DC)
YUV	170.1270, 24.5874, 47.2466
Hunter-Lab	61.4733, 43.5768, -26.6740

Details

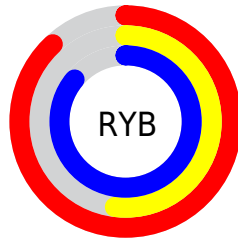
The Yxy color **37.7897, 0.3211, 0.2331** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **60.1220, 0.3046, 0.4484**, and the grayscale version is **40.1307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4464, 0.3158, 0.2634**, and **16.6694, 0.3210, 0.2091** is the 20% darker color. If you saturate the color by 10%, you get **32.2461, 0.3233, 0.2120**, and if you desaturate by 10%, it is **44.6451, 0.3189, 0.2561**.

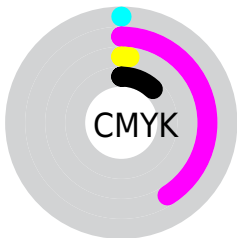
Distribution



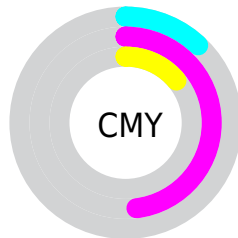
- Red (88%)
- Green (52%)
- Blue (86%)



- Red (88%)
- Yellow (52%)
- Blue (86%)



- Cyan (0%)
- Magenta (41%)
- Yellow (2%)
- Black (12%)



- Cyan (12%)
- Magenta (48%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7897, 0.3211, 0.2331 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 37.7897, 0.3211, 0.2331 by changing the saturation by 10% instead.

 37.7897, 0.3211,
0.2331


 37.7897, 0.3211,
0.2331


336.7170, 0.3184,
0.2785


 25.8195, 0.3214,
0.2226


 71.7857, 0.3204,
0.2490

 16.6887, 0.3215,
0.2096


 94.5803, 0.3201,
0.2551

 10.0128, 0.3213,
0.1932

 121.7518, 0.3198,
0.2604

 5.4074, 0.3203,
0.1718

153.6846, 0.3194,
0.2650

 2.4882, 0.3177,
0.1433

190.7632, 0.3191,
0.2690

 0.8707, 0.3108,
0.1045

233.3718, 0.3189,

 0.0000, 0.3078,

0.2725

0.0000


281.8949, 0.3186,
0.2757


 0.0000, 0.0000,
0.0000


 37.7897, 0.3211,
0.2331


 37.7897, 0.3211,
0.2331

 32.2461, 0.3233,
0.2120


 44.6451, 0.3189,
0.2561

 27.9253, 0.3255,
0.1938


 52.8836, 0.3167,
0.2800


 24.7352, 0.3276,
0.1792


 62.5778, 0.3147,
0.3041

 22.5688, 0.3295,
0.1689


 73.7933, 0.3128,
0.3275


 21.2982, 0.3311,
0.1629

 86.5920, 0.3111,
0.3499

 20.7157, 0.3324,
0.1605

 92.8614, 0.3101,
0.3589

 92.9158, 0.3096,
0.3579

 92.9705, 0.3090,
0.3569

 93.0256, 0.3085,
0.3558

Harmonies

Analogous

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



37.7897, 0.2437, 0.2077



37.7897, 0.3211, 0.2331



37.7897, 0.4069, 0.2776

Triad

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



37.7897, 0.3211, 0.2331



37.7897, 0.4363, 0.4513



37.7897, 0.1791, 0.2935

Complementary

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



37.7897, 0.3211, 0.2331



60.1220, 0.3046, 0.4484

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.



37.7897, 0.2190, 0.3823



37.7897, 0.3211, 0.2331



37.7897, 0.3668, 0.4840

Square

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



37.7897, 0.3211, 0.2331



37.7897, 0.4758, 0.3945



37.7897, 0.2873, 0.4616



37.7897, 0.1710, 0.2331

Rectangle

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



37.7897, 0.3211, 0.2331



37.7897, 0.4519, 0.3143



37.7897, 0.2873, 0.4616



37.7897, 0.1887, 0.3210

Sweetspot

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



37.7914, 0.3211, 0.2331



81.9199, 0.3150, 0.3006



27.3895, 0.2396, 0.2051



17.1518, 0.3152, 0.2975



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.



37.7914, 0.3211, 0.2331



44.1084, 0.3231, 0.2146



35.7370, 0.3669, 0.2794



13.9246, 0.3145, 0.3069



12.0583, 0.3322, 0.1604



0.8391, 0.3303, 0.1593

Inverse Universe

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



37.7914, 0.3211, 0.2331



44.1084, 0.3231, 0.2146



61.6745, 0.2796, 0.3856



13.9246, 0.3145, 0.3069



12.0583, 0.3322, 0.1604



0.8391, 0.3303, 0.1593

Previews

White Background



This preview shows how the Yxy color 37.7897, 0.3211, 0.2331 looks on a white background.

Color Contrast Check

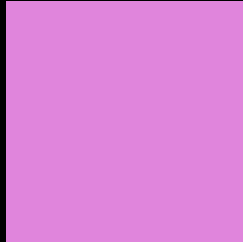
Large Text (above 18pt) WCAG AA × Fail

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 37.7897, 0.3211, 0.2331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

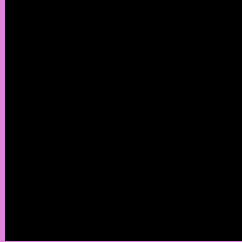
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7897, 0.3211, 0.2331

Background



This preview shows how black text looks on a background with the Yxy color 37.7897, 0.3211, 0.2331.



This preview shows how white text looks on a background with the Yxy color 37.7897, 0.3211, 0.2331.

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

37.7897, 0.3211, 0.2331

Protanopia

38.1544, 0.2374, 0.2269

Deuteranopia

38.1686, 0.2661, 0.2599



Tritanopia

37.5910, 0.3753, 0.3157

Trichromacy



Original Color

37.7897, 0.3211, 0.2331



Protanomaly

37.0007, 0.2621, 0.2266



Deuteranomaly

37.2900, 0.2841, 0.2475



Tritanomaly

37.4051, 0.3551, 0.2827

Monochromacy



Original Color

37.7897, 0.3211, 0.2331



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.6919, 0.3165, 0.2890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7897, 0.3211, 0.2331 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(224, 133, 220)` looks like.

```
.text, #text, p{  
    color:rgb(224, 133, 220)  
}
```

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(224, 133, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 133, 220) }
```

Border

The CSS property to change the border of an element to Yxy 37.7897, 0.3211, 0.2331 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(224, 133, 220) }
```

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

```
.border{ border-color:rgb(224, 133, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 133, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 133, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 133, 220);  
box-shadow:4px 4px 4px 4px rgb(224, 133,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7897, 0.3211, 0.2331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 133, 220) }
```

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

```
.background{ background-color: rgb(224,  
133, 220) }
```

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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