

Converting Colors

$Y_{xy}(36.9272, 0.3393, 0.2271)$

Have a look what the booklet for
Yxy(36.9272, 0.3393, 0.2271)
contains.

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Color

Yxy(37.0202, 0.3395, 0.2273)

Conversions

Conversions Part 1

Format	Color
Hex	F078DA
RGB	240, 120, 218
RGB Percent	94%, 47%, 85%
CMY	0.0590, 0.5292, 0.1451
CMYK	0.00, 0.50, 0.09, 0.06
HSL	311°, 80%, 71%
HSV	311°, 50%, 94%
XYZ	55.2941, 37.0202, 70.5550
YIQ	167.0520, 40.0620, 55.9180

Conversions

Conversions Part 2

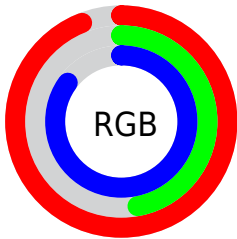
Format	Color
RYB	240, 120, 218
Decimal	15759578
CIELab	67.29, 58.38, -29.46
CIElCh	67, 65.393, 333.222
Yxy	37.0202, 0.3395, 0.2273
Android (android.graphics.Color)	4293949658 (0xFFFF078DA)
YUV	167.0520, 25.1174, 63.9754
Hunter-Lab	60.8442, 55.7402, -26.1618

Details

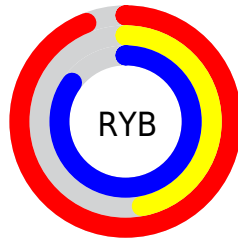
The Yxy color **37.0202, 0.3395, 0.2273** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **68.2431, 0.2949, 0.4596**, and the grayscale version is **38.5356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **16.2562, 0.3453, 0.2024** is the 20% darker color. If you saturate the color by 10%, you get **31.7261, 0.3465, 0.2106**, and if you desaturate by 10%, it is **43.7699, 0.3329, 0.2464**.

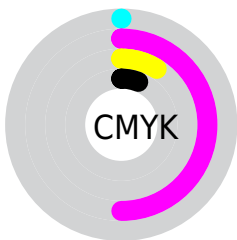
Distribution



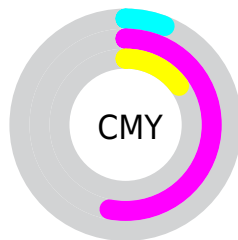
- Red (94%)
- Green (47%)
- Blue (85%)



- Red (94%)
- Yellow (47%)
- Blue (85%)



- Cyan (0%)
- Magenta (50%)
- Yellow (9%)
- Black (6%)





- Cyan (6%)
- Magenta (53%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0202, 0.3395, 0.2273 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 37.0202, 0.3395, 0.2273 by changing the saturation by 10% instead.


 37.0202, 0.3395,
0.2273


 37.0202, 0.3395,
0.2273


333.3980, 0.3277,
0.2751

 25.2231, 0.3420,
0.2163


 70.6039, 0.3356,
0.2440

 16.2434, 0.3449,
0.2028


 93.1592, 0.3340,
0.2504

 9.6965, 0.3483,
0.1858


 120.0695, 0.3326,
0.2560

 5.1982, 0.3523,
0.1638

151.7190, 0.3314,
0.2608

 2.3640, 0.3567,
0.1348

188.4923, 0.3303,
0.2650

 0.8073, 0.3605,
0.0956

230.7736, 0.3294,

 0.0000, 0.3757,

0.2688

0.0000

278.9473, 0.3285,
0.2721

■ 0.0000, 0.1429,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0202, 0.3395,
0.2273

■ 37.0202, 0.3395,
0.2273

■ 31.7261, 0.3465,
0.2106

■ 43.7699, 0.3329,
0.2464

■ 27.7722, 0.3537,
0.1973


■ 52.0688, 0.3269,
0.2670


■ 25.0343, 0.3609,
0.1883

■ 62.0086, 0.3215,
0.2880


■ 23.3626, 0.3678,
0.1839


■ 73.6726, 0.3168,
0.3089


 22.5051, 0.3744,
0.1836


 87.1383, 0.3127,
0.3291

 22.5032, 0.3744,
0.1836

 96.5911, 0.3095,
0.3395

 96.8619, 0.3070,
0.3351

 97.1390, 0.3045,
0.3308

 97.2575, 0.3035,
0.3290

Harmonies

Analogous

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



37.0202, 0.2464, 0.1949



37.0202, 0.3395, 0.2273



37.0202, 0.4387, 0.2796

Triad

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



37.0202, 0.3395, 0.2273



37.0202, 0.4392, 0.4766



37.0202, 0.1563, 0.2701

Complementary

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



37.0202, 0.3395, 0.2273



68.2431, 0.2949, 0.4596

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.



37.0202, 0.1931, 0.3710



37.0202, 0.3395, 0.2273



37.0202, 0.3553, 0.5124

Square

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



37.0202, 0.3395, 0.2273



37.0202, 0.4952, 0.4112



37.0202, 0.2652, 0.4751



37.0202, 0.1543, 0.2099

Rectangle

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



37.0202, 0.3395, 0.2273



37.0202, 0.4857, 0.3212



37.0202, 0.2652, 0.4751



37.0202, 0.1645, 0.2998

Sweetspot

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



37.0219, 0.3395, 0.2273



77.5339, 0.3191, 0.2984



25.3093, 0.2308, 0.1756



15.9997, 0.3202, 0.2939



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.



37.0219, 0.3395, 0.2273



36.3075, 0.3466, 0.2103



34.4989, 0.4054, 0.2855



15.9788, 0.3166, 0.3099



12.3421, 0.3734, 0.1831



1.0395, 0.3653, 0.1786

Inverse Universe

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



37.0219, 0.3395, 0.2273



36.3075, 0.3466, 0.2103



70.4594, 0.2660, 0.3800



15.9788, 0.3166, 0.3099



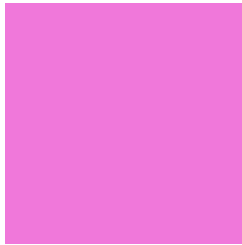
12.3421, 0.3734, 0.1831



1.0395, 0.3653, 0.1786

Previews

White Background



This preview shows how the Yxy color 37.0202, 0.3395, 0.2273 looks on a white background.

Color Contrast Check

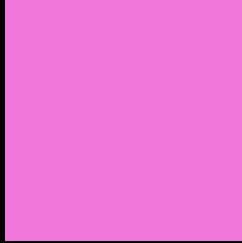
Large Text (above 18pt) WCAG AA × Fail

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 37.0202, 0.3395, 0.2273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

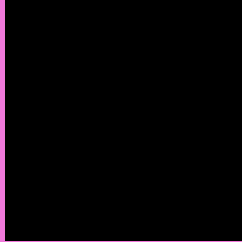
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0202, 0.3395, 0.2273

Background



This preview shows how black text looks on a background with the Yxy color 37.0202, 0.3395, 0.2273.



This preview shows how white text looks on a background with the Yxy color 37.0202, 0.3395, 0.2273.

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

37.0202, 0.3395, 0.2273

Protanopia

37.3784, 0.2298, 0.2165

Deuteranopia

37.1614, 0.2678, 0.2617



Tritanopia

36.8394, 0.4078, 0.3178

Trichromacy



Original Color

37.0202, 0.3395, 0.2273



Protanomaly

35.5015, 0.2610, 0.2168



Deuteranomaly

35.8519, 0.2906, 0.2442



Tritanomaly

36.6060, 0.3829, 0.2821

Monochromacy



Original Color

37.0202, 0.3395, 0.2273



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.8272, 0.3227, 0.2829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0202, 0.3395, 0.2273 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, 120, 218)` looks like.

```
.text, #text, p{  
    color:rgb(240, 120, 218)  
}
```

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, 120, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 120, 218) }
```

Border

The CSS property to change the border of an element to Yxy 37.0202, 0.3395, 0.2273 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, 120, 218) }
```

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

```
.border{ border-color:rgb(240, 120, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 120, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 120, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 120, 218);  
box-shadow:4px 4px 4px 4px rgb(240, 120,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0202, 0.3395, 0.2273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 120, 218) }
```

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

```
.background{ background-color: rgb(240,  
120, 218) }
```

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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