

Converting Colors

$Y_{xy}(36.7774, 0.3356, 0.2248)$

Have a look what the booklet for
Yxy(36.7774, 0.3356, 0.2248)
contains.

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Color

Yxy(36.7774, 0.3356, 0.2248)

Conversions

Conversions Part 1

Format	Color
Hex	EE78DC
RGB	238, 120, 220
RGB Percent	93%, 47%, 86%
CMY	0.0665, 0.5295, 0.1372
CMYK	0.00, 0.50, 0.08, 0.07
HSL	309°, 78%, 70%
HSV	309°, 50%, 93%
XYZ	54.9043, 36.7774, 71.9188
YIQ	166.6820, 38.2280, 56.1160

Conversions

Conversions Part 2

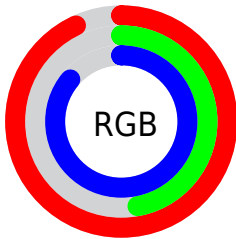
Format	Color
R _Y B	238, 120, 220
Decimal	15628508
CIE Lab	67.11, 58.18, -30.88
CIE LCh	67, 65.872, 332.040
Yxy	36.7774, 0.3356, 0.2248
Android (android.graphics.Color)	4293818588 (0xFFEE78DC)
YUV	166.6820, 26.2858, 62.5459
Hunter-Lab	60.6444, 55.4772, -27.8616

Details

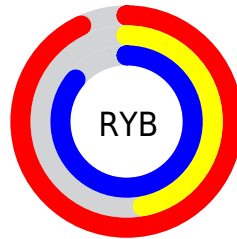
The Yxy color **36.7774, 0.3356, 0.2248** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **66.9979, 0.2967, 0.4632**, and the grayscale version is **38.3359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **16.2005, 0.3396, 0.2001** is the 20% darker color. If you saturate the color by 10%, you get **31.5584, 0.3414, 0.2076**, and if you desaturate by 10%, it is **43.4267, 0.3301, 0.2445**.

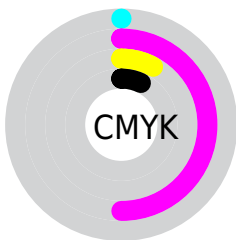
Distribution



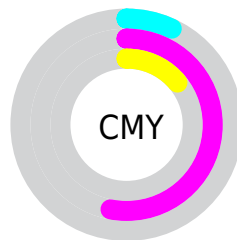
- Red (93%)
- Green (47%)
- Blue (86%)



- Red (93%)
- Yellow (47%)
- Blue (86%)



- Cyan (0%)
- Magenta (50%)
- Yellow (8%)
- Black (7%)



- Cyan (7%)
- Magenta (53%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7774, 0.3356, 0.2248 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 36.7774, 0.3356, 0.2248 by changing the saturation by 10% instead.


 36.7774, 0.3356,
0.2248


 36.7774, 0.3356,
0.2248


332.3458, 0.3259,
0.2737


 25.0352, 0.3375,
0.2136


 70.2303, 0.3324,
0.2418

 16.1033, 0.3397,
0.1998


 92.7098, 0.3311,
0.2484

 9.5973, 0.3422,
0.1825


 119.5371, 0.3300,
0.2541

 5.1328, 0.3449,
0.1602

151.0967, 0.3290,
0.2591

 2.3254, 0.3472,
0.1310

187.7730, 0.3281,
0.2634

 0.7871, 0.3478,
0.0916

229.9503, 0.3273,

 0.0000, 0.3552,

0.2672

0.0000

278.0131, 0.3265,
0.2706

0.0000, 0.0956,
0.0000

0.0000, 0.0000,
0.0000

36.7774, 0.3356,
0.2248

36.7774, 0.3356,
0.2248

31.5584, 0.3414,
0.2076

43.4267, 0.3301,
0.2445

27.6572, 0.3474,
0.1937


51.5978, 0.3249,
0.2657

24.9526, 0.3533,
0.1841

61.3802, 0.3203,
0.2874


23.2991, 0.3589,
0.1791


72.8554, 0.3162,
0.3090

 22.4606, 0.3643,
0.1782

 86.0991, 0.3126,
0.3298

 22.4329, 0.3645,
0.1782

 96.1037, 0.3098,
0.3421

 96.3241, 0.3077,
0.3384

 96.5490, 0.3057,
0.3348

 96.7782, 0.3036,
0.3312

Harmonies

Analogous

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



36.7774, 0.2427, 0.1931



36.7774, 0.3356, 0.2248



36.7774, 0.4364, 0.2768

Triad

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



36.7774, 0.3356, 0.2248



36.7774, 0.4429, 0.4753



36.7774, 0.1559, 0.2727

Complementary

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



36.7774, 0.3356, 0.2248



66.9979, 0.2967, 0.4632

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.



36.7774, 0.1943, 0.3759



36.7774, 0.3356, 0.2248



36.7774, 0.3590, 0.5138

Square

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



36.7774, 0.3356, 0.2248



36.7774, 0.4979, 0.4088



36.7774, 0.2680, 0.4798



36.7774, 0.1526, 0.2104

Rectangle

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



36.7774, 0.3356, 0.2248



36.7774, 0.4852, 0.3184



36.7774, 0.2680, 0.4798



36.7774, 0.1645, 0.3032

Sweetspot

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



36.7791, 0.3356, 0.2248



77.6063, 0.3184, 0.2973



24.9797, 0.2301, 0.1764



16.0173, 0.3192, 0.2927



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.



36.7791, 0.3356, 0.2248



36.5680, 0.3418, 0.2066



34.1953, 0.4019, 0.2837



15.9875, 0.3161, 0.3092



12.5264, 0.3637, 0.1777



1.0532, 0.3572, 0.1741

Inverse Universe

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



36.7791, 0.3356, 0.2248



36.5680, 0.3418, 0.2066



69.1809, 0.2672, 0.3822



15.9875, 0.3161, 0.3092



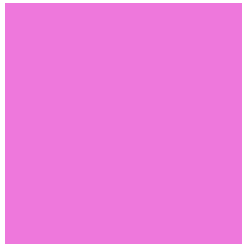
12.5264, 0.3637, 0.1777



1.0532, 0.3572, 0.1741

Previews

White Background



This preview shows how the Yxy color 36.7774, 0.3356, 0.2248 looks on a white background.

Color Contrast Check

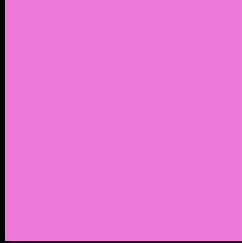
Large Text (above 18pt) WCAG AA × Fail

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 36.7774, 0.3356, 0.2248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

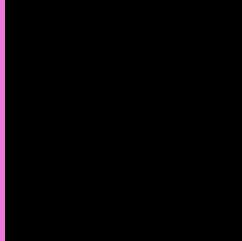
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7774, 0.3356, 0.2248

Background



This preview shows how black text looks on a background with the Yxy color 36.7774, 0.3356, 0.2248.

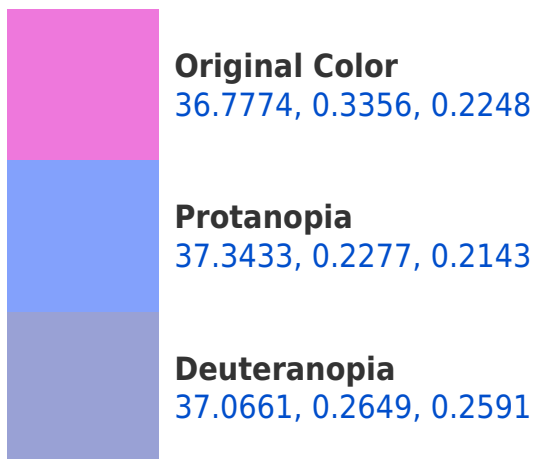


This preview shows how white text looks on a background with the Yxy color 36.7774, 0.3356, 0.2248.

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

36.8209, 0.4042, 0.3177

Trichromacy



Original Color

36.7774, 0.3356, 0.2248



Protanomaly

35.3951, 0.2581, 0.2145



Deuteranomaly

35.7060, 0.2872, 0.2416



Tritanomaly

36.6122, 0.3783, 0.2806

Monochromacy



Original Color

36.7774, 0.3356, 0.2248



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

36.6953, 0.3218, 0.2827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7774, 0.3356, 0.2248 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(238, 120, 220)` looks like.

```
.text, #text, p{  
    color:rgb(238, 120, 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(238, 120, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 120, 220) }
```

Border

The CSS property to change the border of an element to Yxy 36.7774, 0.3356, 0.2248 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(238, 120, 220) }
```

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

```
.border{ border-color:rgb(238, 120, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 120, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 120, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 120, 220);  
box-shadow:4px 4px 4px 4px rgb(238, 120,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7774, 0.3356, 0.2248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 120, 220) }
```

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

```
.background{ background-color: rgb(238,  
120, 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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