

Converting Colors

Yxy(37.4567, 0.3216, 0.2219)

Have a look what the booklet for
Yxy(37.4567, 0.3216, 0.2219)
contains.

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Color

Yxy(37.4567, 0.3216, 0.2219)

Conversions

Conversions Part 1

Format	Color
Hex	E77EE3
RGB	231, 126, 227
RGB Percent	91%, 49%, 89%
CMY	0.0941, 0.5059, 0.1097
CMYK	0.00, 0.45, 0.02, 0.09
HSL	302°, 69%, 70%
HSV	302°, 45%, 91%
XYZ	54.2861, 37.4567, 77.0572
YIQ	168.9090, 30.1590, 53.6710

Conversions

Conversions Part 2

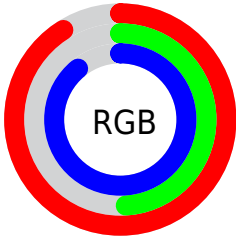
Format	Color
R_{YB}	231, 126, 227
Decimal	15171299
CIE _{Lab}	67.62, 54.42, -34.06
CIE _{LCh}	68, 64.202, 327.959
Yxy	37.4567, 0.3216, 0.2219
Android (android.graphics.Color)	4293361379 (0xFFE77EE3)
YUV	168.9090, 28.6389, 54.4538
Hunter-Lab	61.2019, 51.2262, -31.8087

Details

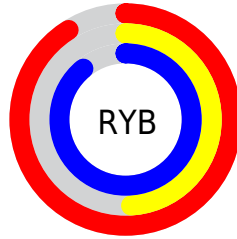
The Yxy color **37.4567, 0.3216, 0.2219** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **63.2054, 0.3040, 0.4663**, and the grayscale version is **39.4742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **16.4592, 0.3216, 0.1968** is the 20% darker color. If you saturate the color by 10%, you get **32.1690, 0.3237, 0.2020**, and if you desaturate by 10%, it is **44.1118, 0.3195, 0.2442**.

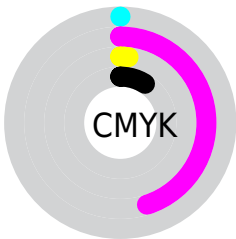
Distribution



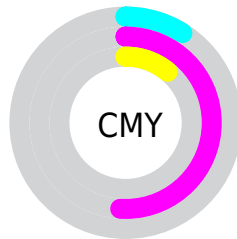
- Red (91%)
- Green (49%)
- Blue (89%)



- Red (91%)
- Yellow (49%)
- Blue (89%)



- Cyan (0%)
- Magenta (45%)
- Yellow (2%)
- Black (9%)




- Cyan (9%)
- Magenta (51%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4567, 0.3216, 0.2219 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 37.4567, 0.3216, 0.2219 by changing the saturation by 10% instead.

 37.4567, 0.3216,
0.2219


 37.4567, 0.3216,
0.2219


335.2836, 0.3190,
0.2719

 25.5613, 0.3217,
0.2105


 71.2746, 0.3211,
0.2392

 16.4957, 0.3216,
0.1966


 93.9660, 0.3207,
0.2460

 9.8756, 0.3211,
0.1791


 121.0247, 0.3204,
0.2518

 5.3166, 0.3195,
0.1568

152.8353, 0.3201,
0.2569

 2.4342, 0.3159,
0.1277

189.7820, 0.3198,
0.2613

 0.8434, 0.3073,
0.0894

232.2494, 0.3195,

 0.0000, 0.2980,

0.2653

0.0000

280.6218, 0.3193,
0.2688

0.0000, 0.0281,
0.0000

0.0000, 0.0000,
0.0000

37.4567, 0.3216,
0.2219

37.4567, 0.3216,
0.2219

32.1690, 0.3237,
0.2020

44.1118, 0.3195,
0.2442

28.1486, 0.3256,
0.1854

52.2155, 0.3175,
0.2680

25.2896, 0.3274,
0.1728


61.8485, 0.3155,
0.2922


23.4670, 0.3289,
0.1646


73.0841, 0.3137,
0.3162

 22.5267, 0.3302,
0.1605

 85.9908, 0.3120,
0.3394

 22.2775, 0.3308,
0.1596

 94.3537, 0.3108,
0.3520

 94.4038, 0.3103,
0.3511

 94.4541, 0.3099,
0.3502

 94.5047, 0.3094,
0.3493

Harmonies

Analogous

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



37.4567, 0.2346, 0.1940



37.4567, 0.3216, 0.2219



37.4567, 0.4205, 0.2706

Triad

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



37.4567, 0.3216, 0.2219



37.4567, 0.4495, 0.4641



37.4567, 0.1629, 0.2864

Complementary

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



37.4567, 0.3216, 0.2219



63.2054, 0.3040, 0.4663

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.



37.4567, 0.2057, 0.3898



37.4567, 0.3216, 0.2219



37.4567, 0.3705, 0.5064

Square

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



37.4567, 0.3216, 0.2219



37.4567, 0.4967, 0.3986



37.4567, 0.2814, 0.4839



37.4567, 0.1550, 0.2197

Rectangle

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



37.4567, 0.3216, 0.2219



37.4567, 0.4722, 0.3106



37.4567, 0.2814, 0.4839



37.4567, 0.1731, 0.3178

Sweetspot

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



37.4584, 0.3216, 0.2219



79.2126, 0.3152, 0.2956



25.3962, 0.2292, 0.1877



16.3464, 0.3156, 0.2903



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.



37.4584, 0.3216, 0.2219



40.3460, 0.3236, 0.2023



35.0064, 0.3764, 0.2736



14.6053, 0.3144, 0.3067



12.4919, 0.3306, 0.1595



0.9261, 0.3291, 0.1587

Inverse Universe

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



37.4584, 0.3216, 0.2219



40.3460, 0.3236, 0.2023



64.9716, 0.2765, 0.3938



14.6053, 0.3144, 0.3067



12.4919, 0.3306, 0.1595



0.9261, 0.3291, 0.1587

Previews

White Background



This preview shows how the Yxy color 37.4567, 0.3216, 0.2219 looks on a white background.

Color Contrast Check

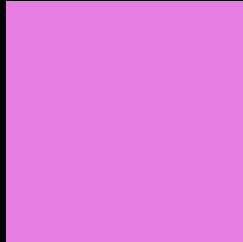
Large Text (above 18pt) WCAG AA × Fail

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 37.4567, 0.3216, 0.2219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

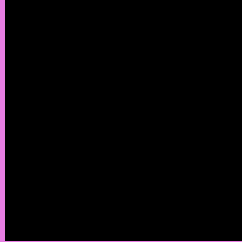
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4567, 0.3216, 0.2219

Background



This preview shows how black text looks on a background with the Yxy color 37.4567, 0.3216, 0.2219.



This preview shows how white text looks on a background with the Yxy color 37.4567, 0.3216, 0.2219.

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

37.4567, 0.3216, 0.2219

Protanopia

37.8860, 0.2266, 0.2128

Deuteranopia

37.8457, 0.2583, 0.2533



Tritanopia

37.4744, 0.3868, 0.3172

Trichromacy



Original Color

37.4567, 0.3216, 0.2219



Protanomaly

36.3030, 0.2530, 0.2128



Deuteranomaly

36.7241, 0.2777, 0.2382



Tritanomaly

37.1942, 0.3620, 0.2791

Monochromacy



Original Color

37.4567, 0.3216, 0.2219



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.7066, 0.3169, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4567, 0.3216, 0.2219 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(231, 126, 227)` looks like.

```
.text, #text, p{  
    color:rgb(231, 126, 227)  
}
```

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(231, 126, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 126, 227) }
```

Border

The CSS property to change the border of an element to Yxy 37.4567, 0.3216, 0.2219 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(231, 126, 227) }
```

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

```
.border{ border-color:rgb(231, 126, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 126, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 126, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 126, 227);  
box-shadow:4px 4px 4px 4px rgb(231, 126,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4567, 0.3216, 0.2219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 126, 227) }
```

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

```
.background{ background-color: rgb(231,  
126, 227) }
```

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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