

Converting Colors

$Y_{xy}(32.1993, 0.3747, 0.2568)$

Have a look what the booklet for
Yxy(32.1993, 0.3747, 0.2568)
contains.

Yxy(32.2782, 0.3745, 0.2566)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.2782, 0.3745, 0.2566)

Conversions

Conversions Part 1

Format	Color
Hex	E772B3
RGB	231, 114, 179
RGB Percent	91%, 45%, 70%
CMY	0.0941, 0.5529, 0.2980
CMYK	0.00, 0.51, 0.23, 0.09
HSL	327°, 71%, 68%
HSV	327°, 51%, 91%
XYZ	47.1091, 32.2782, 46.4046
YIQ	156.3930, 48.8670, 45.0190

Conversions

Conversions Part 2

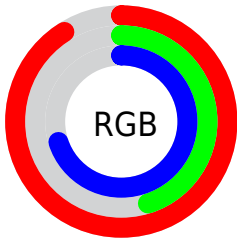
Format	Color
R _Y B	231, 114, 179
Decimal	15168179
CIE Lab	63.57, 52.71, -13.32
CIE LCh	64, 54.366, 345.822
Yxy	32.2782, 0.3745, 0.2566
Android (android.graphics.Color)	4293358259 (0xFFE772B3)
YUV	156.3930, 11.1453, 65.4303
Hunter-Lab	56.8139, 48.5846, -8.6573

Details

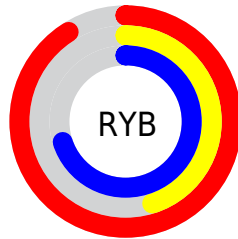
The Yxy color **32.2782, 0.3745, 0.2566** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **63.4794, 0.2790, 0.4177**, and the grayscale version is **33.3649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6341, 0.3327, 0.2628**, and **13.6223, 0.3939, 0.2373** is the 20% darker color. If you saturate the color by 10%, you get **27.3099, 0.3930, 0.2449**, and if you desaturate by 10%, it is **38.5961, 0.3581, 0.2703**.

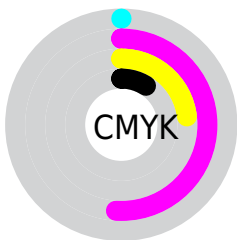
Distribution



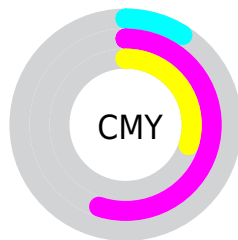
- Red (91%)
- Green (45%)
- Blue (70%)



- Red (91%)
- Yellow (45%)
- Blue (70%)



- Cyan (0%)
- Magenta (51%)
- Yellow (23%)
- Black (9%)




- Cyan (9%)
- Magenta (55%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2782, 0.3745, 0.2566 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 32.2782, 0.3745, 0.2566 by changing the saturation by 10% instead.

 32.2782, 0.3745,
0.2566


 32.2782, 0.3745,
0.2566


312.3846, 0.3429,
0.2928

 21.5741, 0.3826,
0.2476


 63.2470, 0.3629,
0.2697

 13.5443, 0.3931,
0.2362


 84.2804, 0.3585,
0.2746

 7.8044, 0.4072,
0.2211


 109.5257, 0.3549,
0.2788

 3.9700, 0.4272,
0.2004

139.3673, 0.3518,
0.2824

 1.6568, 0.4574,
0.1704

174.1896, 0.3491,
0.2855

 0.3955, 0.5191,
0.1048

214.3770, 0.3468,

 0.0000, 0.7963,

0.2882

0.0000

260.3139, 0.3447,
0.2906

0.0000, 0.0000,
0.0000

32.2782, 0.3745,
0.2566

32.2782, 0.3745,
0.2566

27.3099, 0.3930,
0.2449

38.5961, 0.3581,
0.2703

23.5848, 0.4132,
0.2364

46.3501, 0.3439,
0.2850

20.9881, 0.4345,
0.2324


55.6249, 0.3318,
0.2998


19.3811, 0.4558,
0.2336


66.4971, 0.3217,
0.3143

18.5562, 0.4751,
0.2391

79.0383, 0.3132,
0.3281

 93.3158, 0.3062,
0.3411

 95.4642, 0.3004,
0.3331

 95.7281, 0.2982,
0.3290

Harmonies

Analogous

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



32.2782, 0.2869, 0.2185



32.2782, 0.3745, 0.2566



32.2782, 0.4508, 0.3098

Triad

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



32.2782, 0.3745, 0.2566



32.2782, 0.3982, 0.4784



32.2782, 0.1683, 0.2516

Complementary

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



32.2782, 0.3745, 0.2566



63.4794, 0.2790, 0.4177

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.



32.2782, 0.1891, 0.3268



32.2782, 0.3745, 0.2566



32.2782, 0.3190, 0.4820

Square

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



32.2782, 0.3745, 0.2566



32.2782, 0.4593, 0.4311



32.2782, 0.2423, 0.4206



32.2782, 0.1784, 0.2113

Rectangle

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



32.2782, 0.3745, 0.2566



32.2782, 0.4777, 0.3497



32.2782, 0.2423, 0.4206



32.2782, 0.1717, 0.2729

Sweetspot

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



32.2798, 0.3745, 0.2566



76.9303, 0.3259, 0.3080



25.7729, 0.2558, 0.1836



15.8537, 0.3281, 0.3049



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.



32.2798, 0.3745, 0.2566



33.8097, 0.3943, 0.2442



30.4247, 0.4476, 0.3207



14.5014, 0.3206, 0.3160



10.4288, 0.4719, 0.2374



0.7893, 0.4438, 0.2219

Inverse Universe

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



32.2798, 0.3745, 0.2566



33.8097, 0.3943, 0.2442



66.0651, 0.2505, 0.3387



14.5014, 0.3206, 0.3160



10.4288, 0.4719, 0.2374



0.7893, 0.4438, 0.2219

Previews

White Background



This preview shows how the Yxy color 32.2782, 0.3745, 0.2566 looks on a white background.

Color Contrast Check

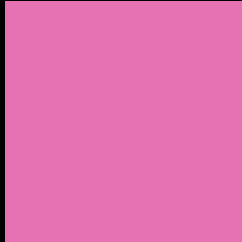
Large Text (above 18pt) WCAG AA × Fail

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 32.2782, 0.3745, 0.2566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

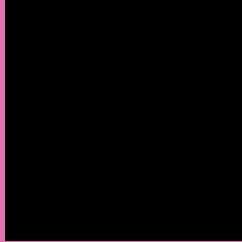
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2782, 0.3745, 0.2566

Background



This preview shows how black text looks on a background with the Yxy color 32.2782, 0.3745, 0.2566.



This preview shows how white text looks on a background with the Yxy color 32.2782, 0.3745, 0.2566.

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

32.2782, 0.3745, 0.2566

Protanopia

32.8141, 0.2582, 0.2541

Deuteranopia

32.4069, 0.3024, 0.2957



Tritanopia

32.2775, 0.4228, 0.3188

Trichromacy



Original Color

32.2782, 0.3745, 0.2566



Protanomaly

31.3350, 0.2935, 0.2525



Deuteranomaly

31.4256, 0.3267, 0.2780



Tritanomaly

32.1289, 0.4054, 0.2946

Monochromacy



Original Color

32.2782, 0.3745, 0.2566



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.7974, 0.3344, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2782, 0.3745, 0.2566 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, 114, 179)` looks like.

```
.text, #text, p{  
    color:rgb(231, 114, 179)  
}
```

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, 114, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 114, 179) }
```

Border

The CSS property to change the border of an element to Yxy 32.2782, 0.3745, 0.2566 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, 114, 179) }
```

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

```
.border{ border-color:rgb(231, 114, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 114, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 114, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 114, 179);  
box-shadow:4px 4px 4px 4px rgb(231, 114,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2782, 0.3745, 0.2566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 114, 179) }
```

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

```
.background{ background-color: rgb(231,  
114, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor