

Converting Colors

$Y_{xy}(29.2481, 0.3217, 0.1906)$

Have a look what the booklet for
Yxy(29.2481, 0.3217, 0.1906)
contains.

Yxy(29.2973, 0.3213, 0.1906)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.2973, 0.3213, 0.1906)

Conversions

Conversions Part 1

Format	Color
Hex	E45AE2
RGB	228, 90, 226
RGB Percent	89%, 35%, 89%
CMY	0.1058, 0.6472, 0.1136
CMYK	0.00, 0.61, 0.01, 0.11
HSL	301°, 72%, 62%
HSV	301°, 61%, 89%
XYZ	49.3873, 29.2973, 75.0263
YIQ	146.7660, 38.5920, 71.5520

Conversions

Conversions Part 2

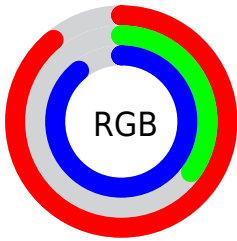
Format	Color
R _Y B	228, 90, 226
Decimal	14965474
CIE Lab	61.04, 69.89, -43.82
CIE LCh	61, 82.489, 327.914
Yxy	29.2973, 0.3213, 0.1906
Android (android.graphics.Color)	4293155554 (0xFFE45AE2)
YUV	146.7660, 39.0624, 71.2422
Hunter-Lab	54.1270, 68.1473, -44.2940

Details

The Yxy color **29.2973, 0.3213, 0.1906** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **58.4444, 0.3028, 0.5221**, and the grayscale version is **28.8976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6598, 0.3176, 0.2257**, and **11.8736, 0.3192, 0.1587** is the 20% darker color. If you saturate the color by 10%, you get **26.0074, 0.3224, 0.1758**, and if you desaturate by 10%, it is **33.7692, 0.3200, 0.2092**.

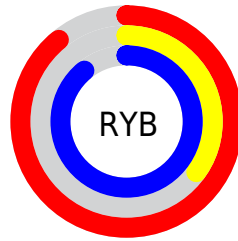
Distribution



Red (89%)

Green (35%)

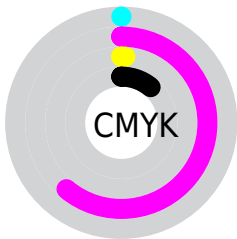
Blue (89%)



Red (89%)

Yellow (35%)

Blue (89%)

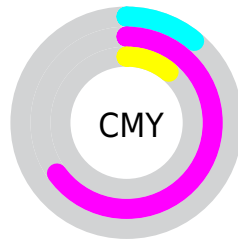


Cyan (0%)

Magenta (61%)

Yellow (1%)

Black (11%)



Cyan (11%)

Magenta (65%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.2973, 0.3213, 0.1906 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 29.2973, 0.3213, 0.1906 by changing the saturation by 10% instead.


 29.2973, 0.3213,
0.1906


 29.2973, 0.3213,
0.1906


298.6151, 0.3201,
0.2551

 19.3058, 0.3207,
0.1762


 58.5491, 0.3216,
0.2128


 11.8915, 0.3195,
0.1587


 78.5782, 0.3215,
0.2215

 6.6698, 0.3170,
0.1372


 102.7221, 0.3213,
0.2290

 3.2565, 0.3123,
0.1106

 131.3649, 0.3211,
0.2356

 1.2671, 0.3030,
0.0779

164.8913, 0.3208,
0.2414

 0.1155, 0.2911,
0.0150

203.6855, 0.3206,


 0.0000, 0.2425,

0.2465


0.0000


248.1320, 0.3204,
0.2510


 0.0000, 0.0000,
0.0000


 29.2973, 0.3213,
0.1906


 29.2973, 0.3213,
0.1906


 26.0074, 0.3224,
0.1758


 33.7692, 0.3200,
0.2092


 23.7836, 0.3234,
0.1652


 39.5168, 0.3186,
0.2307

 22.4940, 0.3241,
0.1589

 46.6290, 0.3171,
0.2542


 21.9196, 0.3246,
0.1562

 55.1857, 0.3156,
0.2788

 65.2606, 0.3142,
0.3035

 76.9222, 0.3128,
0.3277

 90.2352, 0.3115,
0.3509

 93.6563, 0.3111,
0.3559

 93.6746, 0.3109,
0.3555

Harmonies

Analogous

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



29.2973, 0.2077, 0.1571



29.2973, 0.3213, 0.1906



29.2973, 0.4607, 0.2492

Triad

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



29.2973, 0.3213, 0.1906



29.2973, 0.4796, 0.4912



29.2973, 0.1191, 0.2636

Complementary

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



29.2973, 0.3213, 0.1906



58.4444, 0.3028, 0.5221

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.



29.2973, 0.1668, 0.4131



29.2973, 0.3213, 0.1906



29.2973, 0.3735, 0.5695

Square

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



29.2973, 0.3213, 0.1906



29.2973, 0.5527, 0.4009



29.2973, 0.2605, 0.5570



29.2973, 0.1132, 0.1821

Rectangle

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



29.2973, 0.3213, 0.1906



29.2973, 0.5326, 0.2965



29.2973, 0.2605, 0.5570



29.2973, 0.1297, 0.3065

Sweetspot

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



29.2986, 0.3213, 0.1906



74.0874, 0.3153, 0.2848



15.0831, 0.1951, 0.1345



15.0945, 0.3157, 0.2776



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.



29.2986, 0.3213, 0.1906



32.5460, 0.3227, 0.1722



26.3090, 0.4034, 0.2532



14.6115, 0.3140, 0.3062



12.6558, 0.3245, 0.1561



0.9364, 0.3240, 0.1558

Inverse Universe

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



29.2986, 0.3213, 0.1906



32.5460, 0.3227, 0.1722



60.1755, 0.2715, 0.4274



14.6115, 0.3140, 0.3062



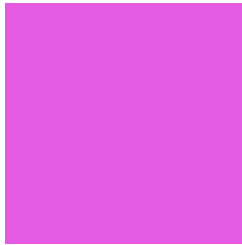
12.6558, 0.3245, 0.1561



0.9364, 0.3240, 0.1558

Previews

White Background



This preview shows how the Yxy color 29.2973, 0.3213, 0.1906 looks on a white background.

Color Contrast Check

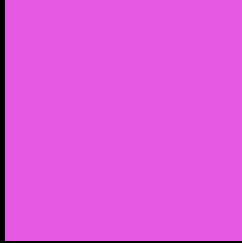
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2973, 0.3213, 0.1906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

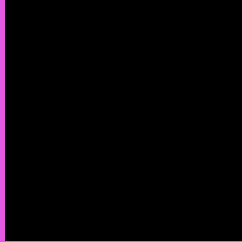
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2973, 0.3213, 0.1906

Background



This preview shows how black text looks on a background with the Yxy color 29.2973, 0.3213, 0.1906.

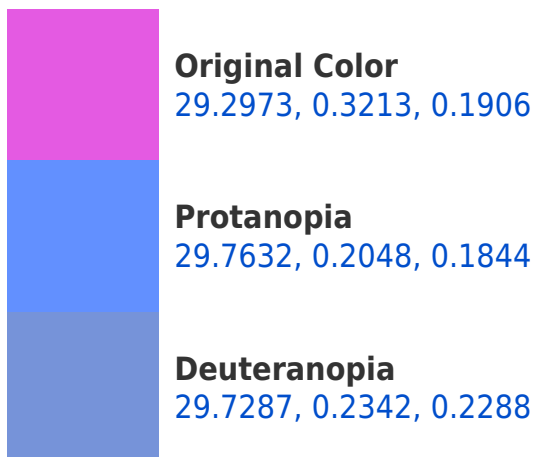


This preview shows how white text looks on a background with the Yxy color 29.2973, 0.3213, 0.1906.

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

29.0881, 0.4227, 0.3183

Trichromacy



Original Color

29.2973, 0.3213, 0.1906



Protanomaly

26.9667, 0.2330, 0.1784



Deuteranomaly

27.3581, 0.2592, 0.2057



Tritanomaly

28.5851, 0.3840, 0.2645

Monochromacy



Original Color

29.2973, 0.3213, 0.1906



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.2864, 0.3160, 0.2597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2973, 0.3213, 0.1906 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(228, 90, 226)` looks like.

```
.text, #text, p{  
    color:rgb(228, 90, 226)  
}
```

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(228, 90, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 90, 226) }
```

Border

The CSS property to change the border of an element to Yxy 29.2973, 0.3213, 0.1906 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(228, 90, 226) }
```

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

```
.border{ border-color:rgb(228, 90, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 90, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 90, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 90, 226);  
box-shadow:4px 4px 4px 4px rgb(228, 90,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2973, 0.3213, 0.1906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 90, 226) }
```

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

```
.background{ background-color: rgb(228, 90,  
226) }
```

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