

Converting Colors

$Yxy(30.6495, 0.3989, 0.2802)$

Have a look what the booklet for
Yxy(30.6495, 0.3989, 0.2802)
contains.

Yxy(30.7658, 0.3989, 0.2808)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7658, 0.3989, 0.2808)

Conversions

Conversions Part 1

Format	Color
Hex	E3729C
RGB	227, 114, 156
RGB Percent	89%, 45%, 61%
CMY	0.1097, 0.5530, 0.3882
CMYK	0.00, 0.50, 0.31, 0.11
HSL	338°, 67%, 67%
HSV	338°, 50%, 89%
XYZ	43.7054, 30.7658, 35.0936
YIQ	152.5750, 53.8660, 37.0180

Conversions

Conversions Part 2

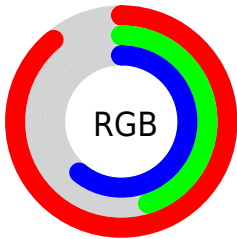
Format	Color
R _Y B	227, 114, 156
Decimal	14906012
CIE Lab	62.31, 48.38, -2.11
CIE LCh	62, 48.430, 357.503
Yxy	30.7658, 0.3989, 0.2808
Android (android.graphics.Color)	4293096092 (0xFFE3729C)
YUV	152.5750, 1.6885, 65.2707
Hunter-Lab	55.4669, 43.5827, 1.3144

Details

The Yxy color **30.7658, 0.3989, 0.2808** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **62.0354, 0.2685, 0.3858**, and the grayscale version is **31.6354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.2891, 0.3543, 0.2868**, and **12.7924, 0.4277, 0.2658** is the 20% darker color. If you saturate the color by 10%, you get **25.8115, 0.4267, 0.2732**, and if you desaturate by 10%, it is **37.0506, 0.3748, 0.2901**.

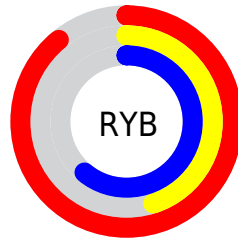
Distribution



Red (89%)

Green (45%)

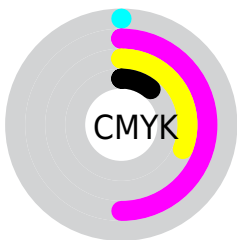
Blue (61%)



Red (89%)

Yellow (45%)

Blue (61%)

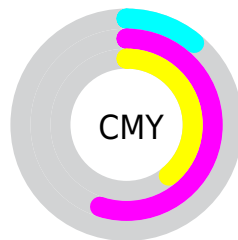


Cyan (0%)

Magenta (50%)

Yellow (31%)

Black (11%)



Cyan (11%)


Magenta (55%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7658, 0.3989, 0.2808 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 30.7658, 0.3989, 0.2808 by changing the saturation by 10% instead.


 30.7658, 0.3989,
0.2808

 30.7658, 0.3989,
0.2808


305.4579, 0.3532,
0.3062


 20.4206, 0.4112,
0.2741


 60.8712, 0.3816,
0.2903

 12.7011, 0.4275,
0.2652


 81.4001, 0.3754,
0.2938

 7.2231, 0.4501,
0.2530

 106.0924, 0.3701,
0.2967

 3.6020, 0.4833,
0.2352

135.3324, 0.3657,
0.2992

 1.4535, 0.5365,
0.2073

169.5046, 0.3619,
0.3013

 0.2557, 0.6971,
0.1136

208.9933, 0.3586,

 0.0000, 1.0000,

0.3031

0.0000

254.1829, 0.3557,
0.3047

0.0000, 0.0000,
0.0000

30.7658, 0.3989,
0.2808

30.7658, 0.3989,
0.2808

25.8115, 0.4267,
0.2732

37.0506, 0.3748,
0.2901

22.0855, 0.4577,
0.2685

44.7493, 0.3545,
0.3001

19.4776, 0.4904,
0.2679


53.9436, 0.3377,
0.3102


17.8560, 0.5225,
0.2724

64.7077, 0.3238,
0.3200

16.9976, 0.5519,
0.2815

77.1109, 0.3125,
0.3292

 16.9830, 0.5525,
0.2817

 91.2182, 0.3032,
0.3377

 95.0764, 0.2958,
0.3290

Harmonies

Analogous

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



30.7658, 0.3198, 0.2389



30.7658, 0.3989, 0.2808



30.7658, 0.4548, 0.3340

Triad

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



30.7658, 0.3989, 0.2808



30.7658, 0.3652, 0.4719



30.7658, 0.1799, 0.2408

Complementary

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



30.7658, 0.3989, 0.2808



62.0354, 0.2685, 0.3858

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.



30.7658, 0.1882, 0.2979



30.7658, 0.3989, 0.2808



30.7658, 0.2910, 0.4508

Square

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



30.7658, 0.3989, 0.2808



30.7658, 0.4292, 0.4433



30.7658, 0.2267, 0.3793



30.7658, 0.2001, 0.2145

Rectangle

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



30.7658, 0.3989, 0.2808



30.7658, 0.4667, 0.3721



30.7658, 0.2267, 0.3793



30.7658, 0.1794, 0.2563

Sweetspot

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



30.7673, 0.3989, 0.2808



76.5249, 0.3308, 0.3149



27.7310, 0.2762, 0.1936



15.7564, 0.3338, 0.3128



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.



30.7673, 0.3989, 0.2808



33.2620, 0.4285, 0.2728



32.7735, 0.4451, 0.3446



14.4562, 0.3234, 0.3203



9.9219, 0.5486, 0.2796



0.7507, 0.5087, 0.2576

Inverse Universe

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



30.7673, 0.3989, 0.2808



33.2620, 0.4285, 0.2728



57.1383, 0.2445, 0.3117



14.4562, 0.3234, 0.3203



9.9219, 0.5486, 0.2796



0.7507, 0.5087, 0.2576

Previews

White Background



This preview shows how the Yxy color 30.7658, 0.3989, 0.2808 looks on a white background.

Color Contrast Check

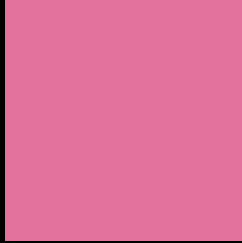
Large Text (above 18pt) WCAG AA × Fail

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 30.7658, 0.3989, 0.2808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

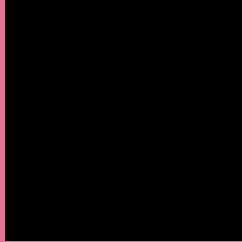
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7658, 0.3989, 0.2808

Background



This preview shows how black text looks on a background with the Yxy color 30.7658, 0.3989, 0.2808.



This preview shows how white text looks on a background with the Yxy color 30.7658, 0.3989, 0.2808.

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

30.7658, 0.3989, 0.2808

Protanopia

31.0468, 0.2831, 0.2870

Deuteranopia

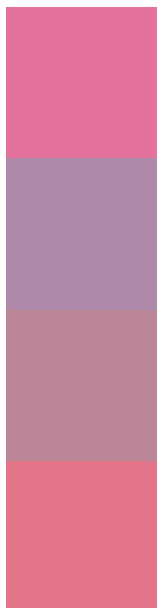
30.8991, 0.3288, 0.3216



Tritanopia

30.7597, 0.4306, 0.3188

Trichromacy



Original Color

30.7658, 0.3989, 0.2808

Protanomaly

29.9076, 0.3202, 0.2827

Deuteranomaly

30.0415, 0.3532, 0.3030

Tritanomaly

30.7263, 0.4198, 0.3049

Monochromacy



Original Color

30.7658, 0.3989, 0.2808

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.5016, 0.3421, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7658, 0.3989, 0.2808 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(227, 114, 156)` looks like.

```
.text, #text, p{  
    color:rgb(227, 114, 156)  
}
```

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(227, 114, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 114, 156) }
```

Border

The CSS property to change the border of an element to Yxy 30.7658, 0.3989, 0.2808 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(227, 114, 156) }
```

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

```
.border{ border-color:rgb(227, 114, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 114, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 114, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 114, 156);  
box-shadow:4px 4px 4px 4px rgb(227, 114,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7658, 0.3989, 0.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 114, 156) }
```

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

```
.background{ background-color: rgb(227,  
114, 156) }
```

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