

Converting Colors

Yxy(31.2445, 0.4031, 0.2988)

Have a look what the booklet for
Yxy(31.2445, 0.4031, 0.2988)
contains.

Yxy(31.2797, 0.4036, 0.2995)	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(31.2797, 0.4036, 0.2995)

Conversions

Conversions Part 1

Format	Color
Hex	DE7992
RGB	222, 121, 146
RGB Percent	87%, 47%, 57%
CMY	0.1294, 0.5255, 0.4275
CMYK	0.00, 0.45, 0.34, 0.13
HSL	345°, 60%, 67%
HSV	345°, 45%, 87%
XYZ	42.1519, 31.2797, 31.0082
YIQ	154.0490, 52.1710, 29.1870

Conversions

Conversions Part 2

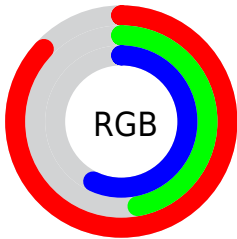
Format	Color
R _Y B	222, 121, 146
Decimal	14580114
CIE _{Lab}	62.74, 41.89, 4.18
CIE _{LCh}	63, 42.095, 5.699
Y _{xy}	31.2797, 0.4036, 0.2995
Android (android.graphics.Color)	4292770194 (0xFFDE7992)
Y _{UV}	154.0490, -3.9682, 59.5930
Hunter-Lab	55.9283, 36.6570, 6.2778

Details

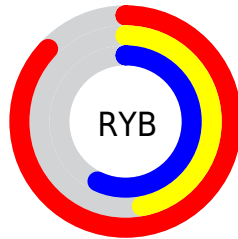
The Yxy color **31.2797, 0.4036, 0.2995** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **60.3448, 0.2647, 0.3622**, and the grayscale version is **32.3387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0901, 0.3621, 0.3031**, and **12.9933, 0.4336, 0.2882** is the 20% darker color. If you saturate the color by 10%, you get **26.0096, 0.4360, 0.2942**, and if you desaturate by 10%, it is **37.8704, 0.3761, 0.3059**.

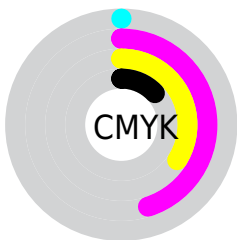
Distribution



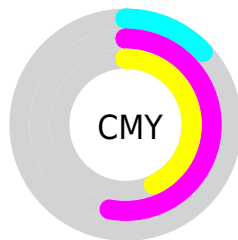
- Red (87%)
- Green (47%)
- Blue (57%)



- Red (87%)
- Yellow (47%)
- Blue (57%)



- Cyan (0%)
- Magenta (45%)
- Yellow (34%)
- Black (13%)




- Cyan (13%)
- Magenta (53%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2797, 0.4036, 0.2995 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 31.2797, 0.4036, 0.2995 by changing the saturation by 10% instead.

 31.2797, 0.4036,
0.2995


 31.2797, 0.4036,
0.2995


307.8248, 0.3550,
0.3158


 20.8119, 0.4168,
0.2949


 61.6802, 0.3852,
0.3058

 12.9866, 0.4343,
0.2887


 82.3816, 0.3785,
0.3080

 7.4193, 0.4588,
0.2798


 107.2631, 0.3729,
0.3099

 3.7257, 0.4951,
0.2662

136.7091, 0.3682,
0.3114

 1.5213, 0.5536,
0.2431

171.1038, 0.3642,
0.3128

 0.3037, 0.8041,
0.1739

210.8317, 0.3607,

 0.0000, 1.0000,

0.3139

0.0000

256.2773, 0.3577,
0.3149

0.0000, 0.0000,
0.0000

31.2797, 0.4036,
0.2995

31.2797, 0.4036,
0.2995

26.0096, 0.4360,
0.2942

37.8704, 0.3761,
0.3059

21.9658, 0.4728,
0.2908

45.8582, 0.3534,
0.3126

19.0489, 0.5120,
0.2905

55.3193, 0.3348,
0.3193


17.1418, 0.5504,
0.2942

66.3231, 0.3197,
0.3257

16.1010, 0.5837,
0.3020

78.9345, 0.3075,
0.3316

 15.8064, 0.5966,
0.3060

 93.2145, 0.2976,
0.3371

 94.2712, 0.2929,
0.3289

Harmonies

Analogous

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



31.2797, 0.3385, 0.2583



31.2797, 0.4036, 0.2995



31.2797, 0.4423, 0.3489

Triad

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



31.2797, 0.4036, 0.2995



31.2797, 0.3426, 0.4515



31.2797, 0.1976, 0.2433

Complementary

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



31.2797, 0.4036, 0.2995



60.3448, 0.2647, 0.3622

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.



31.2797, 0.1984, 0.2870



31.2797, 0.4036, 0.2995



31.2797, 0.2779, 0.4191

Square

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



31.2797, 0.4036, 0.2995



31.2797, 0.4024, 0.4394



31.2797, 0.2260, 0.3530



31.2797, 0.2228, 0.2260

Rectangle

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



31.2797, 0.4036, 0.2995



31.2797, 0.4456, 0.3828



31.2797, 0.2260, 0.3530



31.2797, 0.1950, 0.2549

Sweetspot

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



31.2813, 0.4036, 0.2995



77.6886, 0.3325, 0.3202



30.7870, 0.2933, 0.2101



15.9744, 0.3361, 0.3188



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.



31.2813, 0.4036, 0.2995



35.6490, 0.4358, 0.2942



37.5475, 0.4202, 0.3594



13.7559, 0.3253, 0.3232



9.4027, 0.5930, 0.3040



0.6659, 0.5491, 0.2798

Inverse Universe

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



31.2813, 0.4036, 0.2995



35.6490, 0.4358, 0.2942



49.1620, 0.2460, 0.2951



13.7559, 0.3253, 0.3232



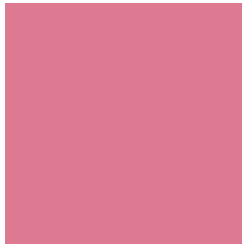
9.4027, 0.5930, 0.3040



0.6659, 0.5491, 0.2798

Previews

White Background



This preview shows how the Yxy color 31.2797, 0.4036, 0.2995 looks on a white background.

Color Contrast Check

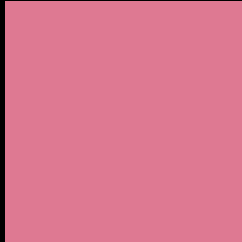
Large Text (above 18pt) WCAG AA × Fail

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 31.2797, 0.4036, 0.2995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

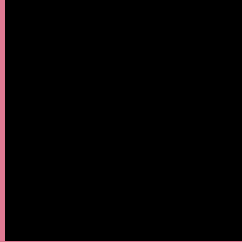
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2797, 0.4036, 0.2995

Background



This preview shows how black text looks on a background with the Yxy color 31.2797, 0.4036, 0.2995.



This preview shows how white text looks on a background with the Yxy color 31.2797, 0.4036, 0.2995.

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

31.2797, 0.4036, 0.2995

Protanopia

31.4530, 0.3027, 0.3108

Deuteranopia

31.4784, 0.3432, 0.3364



Tritanopia

31.2040, 0.4192, 0.3185

Trichromacy



Original Color

31.2797, 0.4036, 0.2995

Protanomaly

30.5376, 0.3354, 0.3049

Deuteranomaly

31.1073, 0.3655, 0.3223

Tritanomaly

31.0974, 0.4134, 0.3113

Monochromacy



Original Color

31.2797, 0.4036, 0.2995

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.1641, 0.3436, 0.3163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2797, 0.4036, 0.2995 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(222, 121, 146)` looks like.

```
.text, #text, p{  
    color:rgb(222, 121, 146)  
}
```

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(222, 121, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 121, 146) }
```

Border

The CSS property to change the border of an element to Yxy 31.2797, 0.4036, 0.2995 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(222, 121, 146) }
```

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

```
.border{ border-color:rgb(222, 121, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 121, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 121, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 121, 146); box-shadow:4px 4px 4px 4px rgb(222, 121, 146) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2797, 0.4036, 0.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 121, 146) }
```

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

```
.background{ background-color: rgb(222,  
121, 146) }
```

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