

Converting Colors

$Y_{xy}(34.6971, 0.3936, 0.2994)$

Have a look what the booklet for
Yxy(34.6971, 0.3936, 0.2994)
contains.

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Color

Yxy(34.6965, 0.3933, 0.2988)

Conversions

Conversions Part 1

Format	Color
Hex	E3829C
RGB	227, 130, 156
RGB Percent	89%, 51%, 61%
CMY	0.1097, 0.4902, 0.3881
CMYK	0.00, 0.43, 0.31, 0.11
HSL	344°, 63%, 70%
HSV	344°, 43%, 89%
XYZ	45.6698, 34.6965, 35.7532
YIQ	161.9670, 49.4660, 28.6500

Conversions

Conversions Part 2

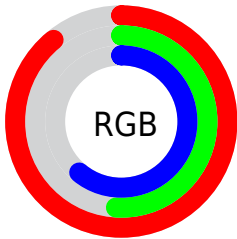
Format	Color
R_{YB}	227, 130, 156
Decimal	14910108
CIE _{Lab}	65.51, 40.28, 2.56
CIE _{LCh}	66, 40.359, 3.634
Yxy	34.6965, 0.3933, 0.2988
Android (android.graphics.Color)	4293100188 (0xFFE3829C)
YUV	161.9670, -2.9417, 57.0339
Hunter-Lab	58.9037, 35.3147, 5.2450

Details

The Yxy color **34.6965, 0.3933, 0.2988** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **63.9141, 0.2679, 0.3627**, and the grayscale version is **36.1125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6111, 0.3515, 0.3034**, and **14.9037, 0.4190, 0.2886** is the 20% darker color. If you saturate the color by 10%, you get **28.7862, 0.4234, 0.2926**, and if you desaturate by 10%, it is **42.0193, 0.3679, 0.3059**.

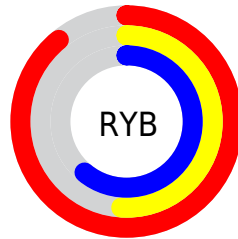
Distribution



Red (89%)

Green (51%)

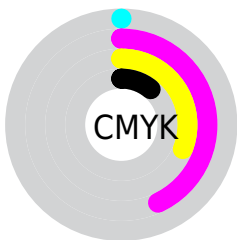
Blue (61%)



Red (89%)

Yellow (51%)

Blue (61%)

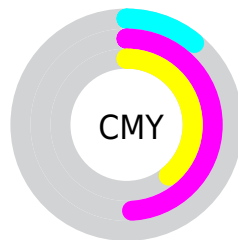


Cyan (0%)

Magenta (43%)

Yellow (31%)

Black (11%)



Cyan (11%)


Magenta (49%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6965, 0.3933, 0.2988 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 34.6965, 0.3933, 0.2988 by changing the saturation by 10% instead.


 34.6965, 0.3933,
0.2988


 34.6965, 0.3933,
0.2988


323.2267, 0.3510,
0.3149


 23.4292, 0.4045,
0.2944


 67.0153, 0.3774,
0.3049

 14.9107, 0.4193,
0.2886


 88.8356, 0.3716,
0.3071

 8.7568, 0.4397,
0.2805


 114.9424, 0.3668,
0.3090

 4.5829, 0.4693,
0.2685

145.7200, 0.3627,
0.3105

 2.0047, 0.5161,
0.2491

181.5528, 0.3591,
0.3119

 0.6102, 0.6202,
0.2115

222.8253, 0.3560,

 0.0000, 1.0000,

0.3130

0.0000

269.9218, 0.3534,
0.3140

0.0000, 0.0000,
0.0000

34.6965, 0.3933,
0.2988

34.6965, 0.3933,
0.2988

28.7862, 0.4234,
0.2926

42.0193, 0.3679,
0.3059

24.1917, 0.4581,
0.2881

50.8330, 0.3470,
0.3133

20.8119, 0.4958,
0.2865

61.2162, 0.3299,
0.3204

18.5289, 0.5340,
0.2889

73.2405, 0.3160,
0.3272

17.2006, 0.5688,
0.2958

86.9731, 0.3048,
0.3335

■ 16.6713, 0.5903,
0.3025

■ 95.0752, 0.2958,
0.3290

Harmonies

Analogous

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



34.6965, 0.3324, 0.2607



34.6965, 0.3933, 0.2988



34.6965, 0.4314, 0.3451

Triad

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



34.6965, 0.3933, 0.2988



34.6965, 0.3453, 0.4425



34.6965, 0.2043, 0.2515

Complementary

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



34.6965, 0.3933, 0.2988



63.9141, 0.2679, 0.3627

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.



34.6965, 0.2069, 0.2943



34.6965, 0.3933, 0.2988



34.6965, 0.2848, 0.4151

Square

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



34.6965, 0.3933, 0.2988



34.6965, 0.3999, 0.4301



34.6965, 0.2348, 0.3560



34.6965, 0.2264, 0.2331

Rectangle

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



34.6965, 0.3933, 0.2988



34.6965, 0.4366, 0.3769



34.6965, 0.2348, 0.3560



34.6965, 0.2023, 0.2631

Sweetspot

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



34.6982, 0.3933, 0.2988



79.1780, 0.3304, 0.3202



33.7244, 0.2918, 0.2161



16.2694, 0.3340, 0.3186



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.



34.6982, 0.3933, 0.2988



38.4472, 0.4189, 0.2934



40.0838, 0.4131, 0.3539



14.4312, 0.3250, 0.3227



9.7368, 0.5865, 0.3005



0.7347, 0.5449, 0.2775

Inverse Universe

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



34.6982, 0.3933, 0.2988



38.4472, 0.4189, 0.2934



54.4356, 0.2502, 0.3017



14.4312, 0.3250, 0.3227



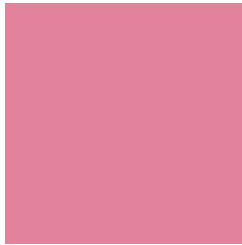
9.7368, 0.5865, 0.3005



0.7347, 0.5449, 0.2775

Previews

White Background



This preview shows how the Yxy color 34.6965, 0.3933, 0.2988 looks on a white background.

Color Contrast Check

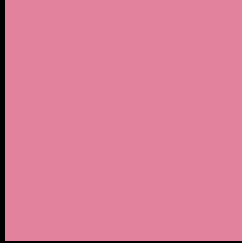
Large Text (above 18pt) WCAG AA × Fail

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 34.6965, 0.3933, 0.2988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

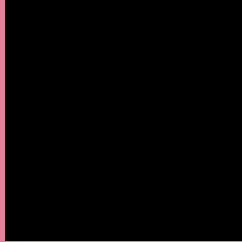
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6965, 0.3933, 0.2988

Background



This preview shows how black text looks on a background with the Yxy color 34.6965, 0.3933, 0.2988.



This preview shows how white text looks on a background with the Yxy color 34.6965, 0.3933, 0.2988.

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

34.6965, 0.3933, 0.2988

Protanopia

35.1843, 0.3005, 0.3088

Deuteranopia

34.8432, 0.3389, 0.3319



Tritanopia

34.6243, 0.4080, 0.3175

Trichromacy



Original Color

34.6965, 0.3933, 0.2988

Protanomaly

34.1602, 0.3313, 0.3032

Deuteranomaly

34.2865, 0.3590, 0.3185

Tritanomaly

34.5079, 0.4025, 0.3104

Monochromacy



Original Color

34.6965, 0.3933, 0.2988

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

34.7899, 0.3400, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6965, 0.3933, 0.2988 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, 130, 156)` looks like.

```
.text, #text, p{  
    color:rgb(227, 130, 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, 130, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 130, 156) }
```

Border

The CSS property to change the border of an element to Yxy 34.6965, 0.3933, 0.2988 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, 130, 156) }
```

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

```
.border{ border-color:rgb(227, 130, 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, 130, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 130, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 130, 156);  
box-shadow:4px 4px 4px 4px rgb(227, 130,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6965, 0.3933, 0.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 130, 156) }
```

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

```
.background{ background-color: rgb(227,  
130, 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](#).

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