

Converting Colors

$Y_{xy}(29.6741, 0.3940, 0.2571)$

Have a look what the booklet for
Yxy(29.6741, 0.3940, 0.2571)
contains.

Yxy(29.6535, 0.3934, 0.2568)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.6535, 0.3934, 0.2568)

Conversions

Conversions Part 1

Format	Color
Hex	E966A8
RGB	233, 102, 168
RGB Percent	91%, 40%, 66%
CMY	0.0863, 0.6000, 0.3410
CMYK	0.00, 0.56, 0.28, 0.09
HSL	330°, 75%, 66%
HSV	330°, 56%, 91%
XYZ	45.4271, 29.6535, 40.3925
YIQ	148.6930, 56.8900, 48.2980

Conversions

Conversions Part 2

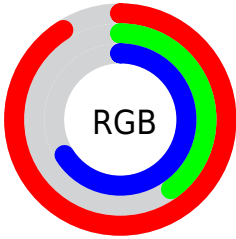
Format	Color
R_{YB}	233, 102, 168
Decimal	15296168
CIE _{Lab}	61.35, 57.50, -10.34
CIE _{LCh}	61, 58.426, 349.809
Yxy	29.6535, 0.3934, 0.2568
Android (android.graphics.Color)	4293486248 (0xFFE966A8)
YUV	148.6930, 9.5184, 73.9372
Hunter-Lab	54.4550, 53.6108, -5.8604

Details

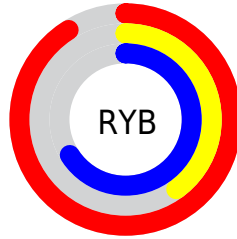
The Yxy color **29.6535, 0.3934, 0.2568** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **63.8936, 0.2733, 0.4199**, and the grayscale version is **29.8616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0414, 0.3443, 0.2631**, and **12.0610, 0.4194, 0.2352** is the 20% darker color. If you saturate the color by 10%, you get **25.2893, 0.4158, 0.2479**, and if you desaturate by 10%, it is **35.3456, 0.3733, 0.2684**.

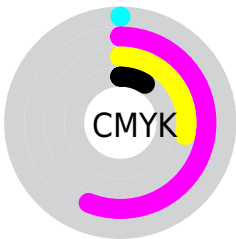
Distribution



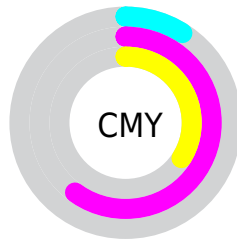
- Red (91%)
- Green (40%)
- Blue (66%)



- Red (91%)
- Yellow (40%)
- Blue (66%)



- Cyan (0%)
- Magenta (56%)
- Yellow (28%)
- Black (9%)





- Cyan (9%)
- Magenta (60%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6535, 0.3934, 0.2568 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 29.6535, 0.3934, 0.2568 by changing the saturation by 10% instead.


 29.6535, 0.3934,
0.2568


 29.6535, 0.3934,
0.2568


300.2860, 0.3512,
0.2936

 19.5757, 0.4045,
0.2475


 59.1138, 0.3776,
0.2703


 12.0870, 0.4191,
0.2354


 79.2651, 0.3718,
0.2753

 6.8030, 0.4391,
0.2194

 103.5430, 0.3670,
0.2795

 3.3392, 0.4679,
0.1969

 132.3320, 0.3629,
0.2832

 1.3113, 0.5128,
0.1639

166.0164, 0.3594,
0.2863

 0.1499, 0.6296,
0.0536

204.9806, 0.3563,

 0.0000, 1.0000,

0.2890

0.0000

249.6090, 0.3536,
0.2914

■ 0.0000, 0.0000,
0.0000

■ 29.6535, 0.3934,
0.2568

■ 29.6535, 0.3934,
0.2568

■ 25.2893, 0.4158,
0.2479

■ 35.3456, 0.3733,
0.2684

■ 22.1366, 0.4399,
0.2429

■ 42.4602, 0.3559,
0.2814

■ 20.0663, 0.4646,
0.2429

■ 51.0882, 0.3411,
0.2949

■ 18.9159, 0.4885,
0.2484

■ 61.3118, 0.3286,
0.3084

■ 18.6194, 0.4973,
0.2513

■ 73.2070, 0.3182,
0.3213

 86.8452, 0.3097,
0.3335

 95.6790, 0.3027,
0.3350

 96.0644, 0.2993,
0.3290

Harmonies

Analogous

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



29.6535, 0.2958, 0.2135



29.6535, 0.3934, 0.2568



29.6535, 0.4732, 0.3150

Triad

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



29.6535, 0.3934, 0.2568



29.6535, 0.3931, 0.4970



29.6535, 0.1560, 0.2352

Complementary

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



29.6535, 0.3934, 0.2568



63.8936, 0.2733, 0.4199

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.



29.6535, 0.1728, 0.3122



29.6535, 0.3934, 0.2568



29.6535, 0.3058, 0.4952

Square

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



29.6535, 0.3934, 0.2568



29.6535, 0.4646, 0.4460



29.6535, 0.2251, 0.4178



29.6535, 0.1710, 0.1978

Rectangle

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



29.6535, 0.3934, 0.2568



29.6535, 0.4969, 0.3579



29.6535, 0.2251, 0.4178



29.6535, 0.1579, 0.2563

Sweetspot

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



29.6550, 0.3934, 0.2568



74.0841, 0.3296, 0.3072



23.4190, 0.2535, 0.1694



15.2877, 0.3320, 0.3045



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.



29.6550, 0.3934, 0.2568



30.5366, 0.4184, 0.2471



27.8296, 0.4804, 0.3272



15.1807, 0.3214, 0.3172



10.5897, 0.4939, 0.2494



0.8510, 0.4634, 0.2327

Inverse Universe

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



29.6550, 0.3934, 0.2568



30.5366, 0.4184, 0.2471



66.8643, 0.2431, 0.3315



15.1807, 0.3214, 0.3172



10.5897, 0.4939, 0.2494



0.8510, 0.4634, 0.2327

Previews

White Background



This preview shows how the Yxy color 29.6535, 0.3934, 0.2568 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 29.6535, 0.3934, 0.2568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

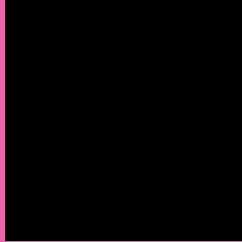
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6535, 0.3934, 0.2568

Background



This preview shows how black text looks on a background with the Yxy color 29.6535, 0.3934, 0.2568.



This preview shows how white text looks on a background with the Yxy color 29.6535, 0.3934, 0.2568.

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

29.6535, 0.3934, 0.2568

Protanopia

30.0130, 0.2579, 0.2542

Deuteranopia

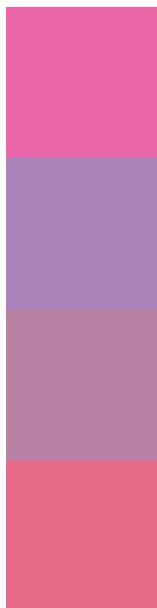
29.6878, 0.3098, 0.3034



Tritanopia

29.6024, 0.4491, 0.3204

Trichromacy



Original Color

29.6535, 0.3934, 0.2568

Protanomaly

28.3665, 0.2986, 0.2516

Deuteranomaly

28.6951, 0.3385, 0.2811

Tritanomaly

29.3543, 0.4296, 0.2966

Monochromacy



Original Color

29.6535, 0.3934, 0.2568

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.6061, 0.3413, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6535, 0.3934, 0.2568 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(233, 102, 168)` looks like.

```
.text, #text, p{  
    color:rgb(233, 102, 168)  
}
```

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(233, 102, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 102, 168) }
```

Border

The CSS property to change the border of an element to Yxy 29.6535, 0.3934, 0.2568 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(233, 102, 168) }
```

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

```
.border{ border-color:rgb(233, 102, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 102, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 102, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 102, 168);  
box-shadow:4px 4px 4px 4px rgb(233, 102,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6535, 0.3934, 0.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 102, 168) }
```

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

```
.background{ background-color: rgb(233,  
102, 168) }
```

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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