

Converting Colors

$Y_{xy}(31.5869, 0.3536, 0.2272)$

Have a look what the booklet for
Yxy(31.5869, 0.3536, 0.2272)
contains.

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Color

Yxy(31.5969, 0.3535, 0.2276)

Conversions

Conversions Part 1

Format	Color
Hex	E969C8
RGB	233, 105, 200
RGB Percent	91%, 41%, 78%
CMY	0.0864, 0.5881, 0.2157
CMYK	0.00, 0.55, 0.14, 0.09
HSL	315°, 74%, 66%
HSV	315°, 55%, 91%
XYZ	49.0752, 31.5969, 58.1544
YIQ	154.1020, 45.7930, 56.6810

Conversions

Conversions Part 2

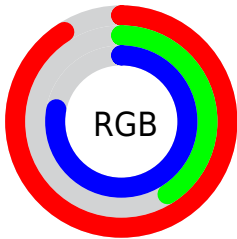
Format	Color
R _Y B	233, 105, 200
Decimal	15296968
CIE Lab	63.01, 60.57, -26.05
CIE LCh	63, 65.934, 336.730
Yxy	31.5969, 0.3535, 0.2276
Android (android.graphics.Color)	4293487048 (0xFFE969C8)
YUV	154.1020, 22.6277, 69.1935
Hunter-Lab	56.2111, 57.4701, -21.9919

Details

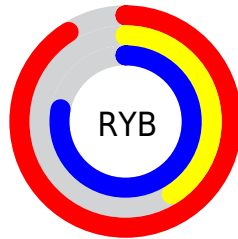
The Yxy color **31.5969, 0.3535, 0.2276** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **63.1048, 0.2891, 0.4613**, and the grayscale version is **32.2491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9697, 0.3170, 0.2375**, and **13.1070, 0.3626, 0.2009** is the 20% darker color. If you saturate the color by 10%, you get **27.2083, 0.3637, 0.2136**, and if you desaturate by 10%, it is **37.2993, 0.3440, 0.2444**.

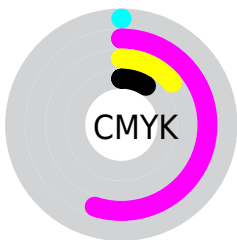
Distribution



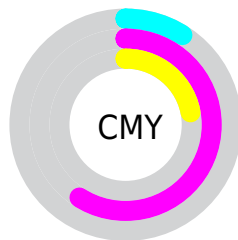
- Red (91%)
- Green (41%)
- Blue (78%)



- Red (91%)
- Yellow (41%)
- Blue (78%)



- Cyan (0%)
- Magenta (55%)
- Yellow (14%)
- Black (9%)




- Cyan (9%)
- Magenta (59%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5969, 0.3535, 0.2276 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 31.5969, 0.3535, 0.2276 by changing the saturation by 10% instead.


 31.5969, 0.3535,
0.2276


 31.5969, 0.3535,
0.2276


309.2789, 0.3341,
0.2766


 21.0538, 0.3580,
0.2160


 62.1786, 0.3467,
0.2449


 13.1633, 0.3636,
0.2015


 82.9860, 0.3440,
0.2516

 7.5411, 0.3707,
0.1830


 107.9836, 0.3418,
0.2573

 3.8027, 0.3797,
0.1587

 137.5559, 0.3398,
0.2622

 1.5638, 0.3916,
0.1260

172.0871, 0.3381,
0.2665

 0.3330, 0.4149,
0.0628

211.9618, 0.3366,

 0.0000, 0.4316,

0.2703

0.0000

257.5642, 0.3353,
0.2736

■ 0.0000, 0.0000,
0.0000

■ 31.5969, 0.3535,
0.2276

■ 31.5969, 0.3535,
0.2276

■ 27.2083, 0.3637,
0.2136

■ 37.2993, 0.3440,
0.2444

■ 24.0199, 0.3743,
0.2034

■ 44.4076, 0.3353,
0.2629

■ 21.9064, 0.3849,
0.1978

■ 53.0111, 0.3277,
0.2821

■ 20.7125, 0.3953,
0.1970


■ 63.1902, 0.3210,
0.3014

■ 20.3341, 0.4004,
0.1980

■ 75.0196, 0.3152,
0.3201

 88.5692, 0.3103,
0.3379

 95.2525, 0.3065,
0.3420

 95.6194, 0.3032,
0.3359

 95.9982, 0.2999,
0.3299

Harmonies

Analogous

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



31.5969, 0.2524, 0.1912



31.5969, 0.3535, 0.2276



31.5969, 0.4570, 0.2837

Triad

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



31.5969, 0.3535, 0.2276



31.5969, 0.4350, 0.4903



31.5969, 0.1467, 0.2559

Complementary

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



31.5969, 0.3535, 0.2276



63.1048, 0.2891, 0.4613

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.



31.5969, 0.1798, 0.3590



31.5969, 0.3535, 0.2276



31.5969, 0.3446, 0.5245

Square

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



31.5969, 0.3535, 0.2276



31.5969, 0.4998, 0.4216



31.5969, 0.2510, 0.4752



31.5969, 0.1488, 0.1988

Rectangle

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



31.5969, 0.3535, 0.2276



31.5969, 0.5020, 0.3273



31.5969, 0.2510, 0.4752



31.5969, 0.1535, 0.2854

Sweetspot

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



31.5984, 0.3535, 0.2276



76.0155, 0.3217, 0.2992



21.3101, 0.2296, 0.1627



15.6926, 0.3230, 0.2952



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.



31.5984, 0.3535, 0.2276



32.7623, 0.3652, 0.2119



29.2349, 0.4341, 0.2940



15.2436, 0.3177, 0.3117



11.5618, 0.3989, 0.1971



0.9234, 0.3857, 0.1898

Inverse Universe

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



31.5984, 0.3535, 0.2276



32.7623, 0.3652, 0.2119



65.4862, 0.2578, 0.3711



15.2436, 0.3177, 0.3117



11.5618, 0.3989, 0.1971



0.9234, 0.3857, 0.1898

Previews

White Background



This preview shows how the Yxy color 31.5969, 0.3535, 0.2276 looks on a white background.

Color Contrast Check

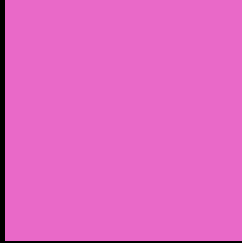
Large Text (above 18pt) WCAG AA × Fail

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 31.5969, 0.3535, 0.2276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

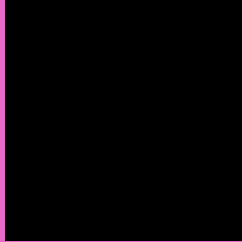
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5969, 0.3535, 0.2276

Background



This preview shows how black text looks on a background with the Yxy color 31.5969, 0.3535, 0.2276.



This preview shows how white text looks on a background with the Yxy color 31.5969, 0.3535, 0.2276.

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

31.5969, 0.3535, 0.2276

Protanopia

31.9484, 0.2279, 0.2146

Deuteranopia

31.8660, 0.2729, 0.2671



Tritanopia

31.4552, 0.4281, 0.3189

Trichromacy



Original Color

31.5969, 0.3535, 0.2276



Protanomaly

30.0055, 0.2623, 0.2150



Deuteranomaly

30.5007, 0.2983, 0.2469



Tritanomaly

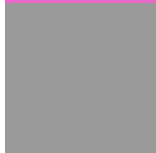
31.2860, 0.4020, 0.2835

Monochromacy



Original Color

31.5969, 0.3535, 0.2276



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.6159, 0.3278, 0.2813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5969, 0.3535, 0.2276 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, 105, 200)` looks like.

```
.text, #text, p{  
    color:rgb(233, 105, 200)  
}
```

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, 105, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 105, 200) }
```

Border

The CSS property to change the border of an element to Yxy 31.5969, 0.3535, 0.2276 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, 105, 200) }
```

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

```
.border{ border-color:rgb(233, 105, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 105, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 105, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 105, 200);  
box-shadow:4px 4px 4px 4px rgb(233, 105,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5969, 0.3535, 0.2276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 105, 200) }
```

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

```
.background{ background-color: rgb(233,  
105, 200) }
```

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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