

Converting Colors

$Y_{xy}(31.9800, 0.3487, 0.2308)$

Have a look what the booklet for
Yxy(31.9800, 0.3487, 0.2308)
contains.

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Color

Yxy(31.9800, 0.3487, 0.2308)

Conversions

Conversions Part 1

Format	Color
Hex	E56EC8
RGB	229, 110, 200
RGB Percent	90%, 43%, 78%
CMY	0.1019, 0.5686, 0.2157
CMYK	0.00, 0.52, 0.13, 0.10
HSL	315°, 70%, 66%
HSV	315°, 52%, 90%
XYZ	48.3164, 31.9800, 58.2651
YIQ	155.8410, 42.0340, 53.2180

Conversions

Conversions Part 2

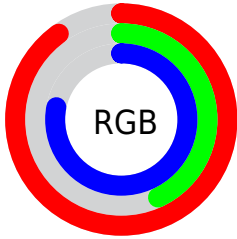
Format	Color
R _Y B	229, 110, 200
Decimal	15036104
CIE Lab	63.33, 57.12, -25.60
CIE LCh	63, 62.597, 335.857
Yxy	31.9800, 0.3487, 0.2308
Android (android.graphics.Color)	4293226184 (0xFFE56EC8)
YUV	155.8410, 21.7704, 64.1604
Hunter-Lab	56.5509, 53.5443, -21.5017

Details

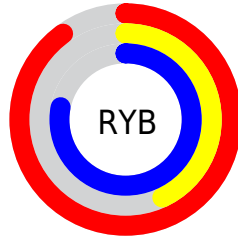
The Yxy color **31.9800, 0.3487, 0.2308** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **61.2251, 0.2908, 0.4551**, and the grayscale version is **33.0589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **13.3716, 0.3573, 0.2050** is the 20% darker color. If you saturate the color by 10%, you get **27.4057, 0.3581, 0.2156**, and if you desaturate by 10%, it is **37.8435, 0.3399, 0.2484**.

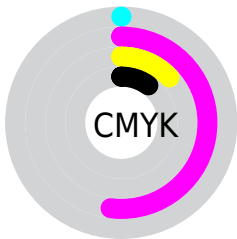
Distribution



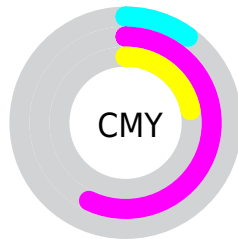
- Red (90%)
- Green (43%)
- Blue (78%)



- Red (90%)
- Yellow (43%)
- Blue (78%)



- Cyan (0%)
- Magenta (52%)
- Yellow (13%)
- Black (10%)




- Cyan (10%)
- Magenta (57%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9800, 0.3487, 0.2308 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 31.9800, 0.3487, 0.2308 by changing the saturation by 10% instead.

 31.9800, 0.3487,
0.2308


 31.9800, 0.3487,
0.2308


311.0281, 0.3317,
0.2783

 21.3462, 0.3526,
0.2195


 62.7797, 0.3427,
0.2477

 13.3773, 0.3575,
0.2054


 83.7145, 0.3404,
0.2541

 7.6889, 0.3635,
0.1873


 108.8517, 0.3385,
0.2596

 3.8965, 0.3713,
0.1634

 138.5757, 0.3367,
0.2644

 1.6158, 0.3812,
0.1310

173.2710, 0.3352,
0.2685

 0.3682, 0.4004,
0.0700

213.3219, 0.3339,

 0.0000, 0.4125,

0.2722

0.0000

259.1128, 0.3327,
0.2754

0.0000, 0.0000,
0.0000

31.9800, 0.3487,
0.2308

31.9800, 0.3487,
0.2308

27.4057, 0.3581,
0.2156

37.8435, 0.3399,
0.2484

24.0156, 0.3680,
0.2040

45.0817, 0.3320,
0.2675

21.6954, 0.3780,
0.1967

53.7777, 0.3250,
0.2871

20.3061, 0.3877,
0.1942

64.0071, 0.3189,
0.3066

19.6839, 0.3953,
0.1951

75.8400, 0.3137,
0.3254

■ 89.3422, 0.3092,
0.3432

■ 94.4169, 0.3058,
0.3451

■ 94.7523, 0.3027,
0.3394

■ 95.0979, 0.2996,
0.3337

Harmonies

Analogous

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



31.9800, 0.2532, 0.1962



31.9800, 0.3487, 0.2308



31.9800, 0.4469, 0.2846

Triad

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



31.9800, 0.3487, 0.2308



31.9800, 0.4330, 0.4821



31.9800, 0.1542, 0.2626

Complementary

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



31.9800, 0.3487, 0.2308



61.2251, 0.2908, 0.4551

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.



31.9800, 0.1878, 0.3612



31.9800, 0.3487, 0.2308



31.9800, 0.3473, 0.5135

Square

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



31.9800, 0.3487, 0.2308



31.9800, 0.4928, 0.4175



31.9800, 0.2574, 0.4686



31.9800, 0.1550, 0.2060

Rectangle

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



31.9800, 0.3487, 0.2308



31.9800, 0.4908, 0.3268



31.9800, 0.2574, 0.4686



31.9800, 0.1613, 0.2912

Sweetspot

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



31.9815, 0.3487, 0.2308



76.0502, 0.3213, 0.2986



22.1930, 0.2335, 0.1718



15.7009, 0.3226, 0.2946



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.



31.9815, 0.3487, 0.2308



34.7721, 0.3585, 0.2151



29.7568, 0.4213, 0.2932



14.5520, 0.3175, 0.3114



11.2728, 0.3939, 0.1943



0.8474, 0.3810, 0.1872

Inverse Universe

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



31.9815, 0.3487, 0.2308



34.7721, 0.3585, 0.2151



63.4044, 0.2608, 0.3711



14.5520, 0.3175, 0.3114



11.2728, 0.3939, 0.1943



0.8474, 0.3810, 0.1872

Previews

White Background



This preview shows how the Yxy color 31.9800, 0.3487, 0.2308 looks on a white background.

Color Contrast Check

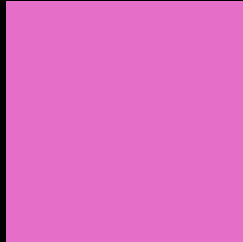
Large Text (above 18pt) WCAG AA × Fail

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 31.9800, 0.3487, 0.2308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

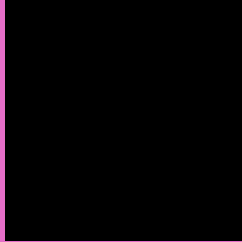
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9800, 0.3487, 0.2308

Background



This preview shows how black text looks on a background with the Yxy color 31.9800, 0.3487, 0.2308.



This preview shows how white text looks on a background with the Yxy color 31.9800, 0.3487, 0.2308.

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

31.9800, 0.3487, 0.2308

Protanopia

32.3950, 0.2322, 0.2197

Deuteranopia

32.2794, 0.2739, 0.2687



Tritanopia

31.9181, 0.4168, 0.3186

Trichromacy



Original Color

31.9800, 0.3487, 0.2308



Protanomaly

30.5622, 0.2648, 0.2198



Deuteranomaly

30.9410, 0.2974, 0.2493



Tritanomaly

31.9091, 0.3922, 0.2848

Monochromacy



Original Color

31.9800, 0.3487, 0.2308



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.5111, 0.3264, 0.2841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9800, 0.3487, 0.2308 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(229, 110, 200)` looks like.

```
.text, #text, p{  
    color:rgb(229, 110, 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(229, 110, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 110, 200) }
```

Border

The CSS property to change the border of an element to Yxy 31.9800, 0.3487, 0.2308 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(229, 110, 200) }
```

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

```
.border{ border-color:rgb(229, 110, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 110, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 110, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 110, 200);  
box-shadow:4px 4px 4px 4px rgb(229, 110,  
200) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.9800, 0.3487, 0.2308$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 110, 200) }
```

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

```
.background{ background-color: rgb(229,  
110, 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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