

Converting Colors

$Y_{xy}(33.8087, 0.3360, 0.2325)$

Have a look what the booklet for
Yxy(33.8087, 0.3360, 0.2325)
contains.

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Color

Yxy(33.9455, 0.3359, 0.2325)

Conversions

Conversions Part 1

Format	Color
Hex	E178CF
RGB	225, 120, 207
RGB Percent	88%, 47%, 81%
CMY	0.1175, 0.5295, 0.1881
CMYK	0.00, 0.47, 0.08, 0.12
HSL	310°, 64%, 68%
HSV	310°, 47%, 88%
XYZ	49.0421, 33.9455, 63.0145
YIQ	161.3130, 34.6530, 49.3170

Conversions

Conversions Part 2

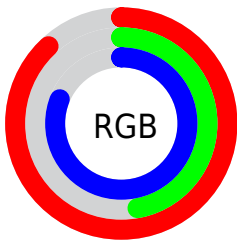
Format	Color
R _Y B	225, 120, 207
Decimal	14776527
CIE Lab	64.92, 52.24, -27.15
CIE LCh	65, 58.878, 332.536
Yxy	33.9455, 0.3359, 0.2325
Android (android.graphics.Color)	4292966607 (0xFFE178CF)
YUV	161.3130, 22.5237, 55.8535
Hunter-Lab	58.2628, 48.2908, -23.3416

Details

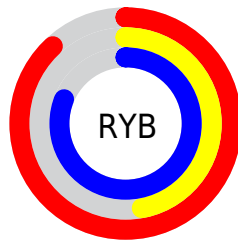
The Yxy color **33.9455, 0.3359, 0.2325** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **59.6989, 0.2964, 0.4507**, and the grayscale version is **35.6741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1399, 0.3164, 0.2508**, and **14.4883, 0.3419, 0.2085** is the 20% darker color. If you saturate the color by 10%, you get **28.9704, 0.3423, 0.2147**, and if you desaturate by 10%, it is **40.2001, 0.3299, 0.2524**.

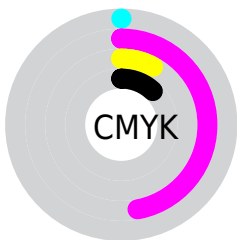
Distribution



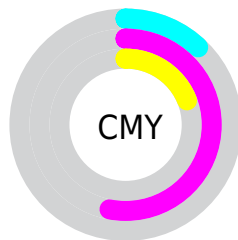
- Red (88%)
- Green (47%)
- Blue (81%)



- Red (88%)
- Yellow (47%)
- Blue (81%)



- Cyan (0%)
- Magenta (47%)
- Yellow (8%)
- Black (12%)




- Cyan (12%)
- Magenta (53%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9455, 0.3359, 0.2325 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 33.9455, 0.3359, 0.2325 by changing the saturation by 10% instead.

 33.9455, 0.3359,
0.2325


 33.9455, 0.3359,
0.2325

319.8890, 0.3256,
0.2789


 22.8517, 0.3381,
0.2216


 65.8489, 0.3324,
0.2489

 14.4841, 0.3407,
0.2080


 87.4273, 0.3310,
0.2552

 8.4581, 0.3437,
0.1906


 113.2694, 0.3298,
0.2606

 4.3895, 0.3472,
0.1677

143.7596, 0.3288,
0.2652

 1.8937, 0.3508,
0.1368

179.2823, 0.3278,
0.2693

 0.5446, 0.3554,
0.0881

220.2218, 0.3270,

 0.0000, 0.3589,

0.2729

0.0000

266.9626, 0.3262,
0.2760

■ 0.0000, 0.0000,
0.0000

■ 33.9455, 0.3359,
0.2325

■ 33.9455, 0.3359,
0.2325

■ 28.9704, 0.3423,
0.2147

■ 40.2001, 0.3299,
0.2524

■ 25.1795, 0.3490,
0.2000

■ 47.8111, 0.3244,
0.2733

■ 22.4721, 0.3557,
0.1893

■ 56.8550, 0.3196,
0.2946

■ 20.7282, 0.3622,
0.1831

■ 67.4013, 0.3153,
0.3155

■ 19.7953, 0.3684,
0.1814

■ 79.5148, 0.3115,
0.3355

 19.5787, 0.3704,
0.1814

 93.2566, 0.3084,
0.3544

 93.4769, 0.3062,
0.3504

 93.7012, 0.3040,
0.3464

 93.9304, 0.3019,
0.3424

Harmonies

Analogous

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



33.9455, 0.2494, 0.2021



33.9455, 0.3359, 0.2325



33.9455, 0.4278, 0.2820

Triad

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



33.9455, 0.3359, 0.2325



33.9455, 0.4343, 0.4673



33.9455, 0.1661, 0.2769

Complementary

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



33.9455, 0.3359, 0.2325



59.6989, 0.2964, 0.4507

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.



33.9455, 0.2025, 0.3708



33.9455, 0.3359, 0.2325



33.9455, 0.3562, 0.4986

Square

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



33.9455, 0.3359, 0.2325



33.9455, 0.4845, 0.4070



33.9455, 0.2713, 0.4645



33.9455, 0.1630, 0.2187

Rectangle

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



33.9455, 0.3359, 0.2325



33.9455, 0.4721, 0.3216



33.9455, 0.2713, 0.4645



33.9455, 0.1743, 0.3050

Sweetspot

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



33.9471, 0.3359, 0.2325



78.9117, 0.3184, 0.3001



24.2245, 0.2376, 0.1874



16.2723, 0.3194, 0.2955



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.



33.9471, 0.3359, 0.2325



38.6346, 0.3421, 0.2152



31.8073, 0.3960, 0.2882



13.8932, 0.3164, 0.3098



11.2927, 0.3695, 0.1809



0.7935, 0.3607, 0.1761

Inverse Universe

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



33.9471, 0.3359, 0.2325



38.6346, 0.3421, 0.2152



61.5827, 0.2684, 0.3758



13.8932, 0.3164, 0.3098



11.2927, 0.3695, 0.1809



0.7935, 0.3607, 0.1761

Previews

White Background



This preview shows how the Yxy color 33.9455, 0.3359, 0.2325 looks on a white background.

Color Contrast Check

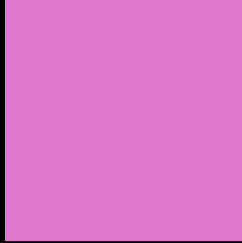
Large Text (above 18pt) WCAG AA × Fail

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 33.9455, 0.3359, 0.2325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

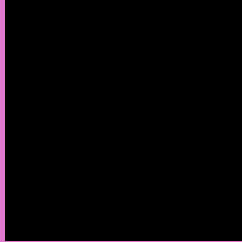
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9455, 0.3359, 0.2325

Background



This preview shows how black text looks on a background with the Yxy color 33.9455, 0.3359, 0.2325.



This preview shows how white text looks on a background with the Yxy color 33.9455, 0.3359, 0.2325.

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

33.9455, 0.3359, 0.2325

Protanopia

34.2085, 0.2353, 0.2240

Deuteranopia

34.2390, 0.2709, 0.2648



Tritanopia

33.9692, 0.3964, 0.3170

Trichromacy



Original Color

33.9455, 0.3359, 0.2325



Protanomaly

32.7272, 0.2644, 0.2239



Deuteranomaly

33.1228, 0.2923, 0.2495



Tritanomaly

33.8627, 0.3744, 0.2840

Monochromacy



Original Color

33.9455, 0.3359, 0.2325



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.9625, 0.3208, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9455, 0.3359, 0.2325 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(225, 120, 207)` looks like.

```
.text, #text, p{  
    color:rgb(225, 120, 207)  
}
```

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(225, 120, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 120, 207) }
```

Border

The CSS property to change the border of an element to Yxy 33.9455, 0.3359, 0.2325 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(225, 120, 207) }
```

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

```
.border{ border-color:rgb(225, 120, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 120, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 120, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 120, 207);  
box-shadow:4px 4px 4px 4px rgb(225, 120,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9455, 0.3359, 0.2325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 120, 207) }
```

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

```
.background{ background-color: rgb(225,  
120, 207) }
```

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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