

Converting Colors

Yxy(33.2180, 0.3220, 0.2356)

Have a look what the booklet for
Yxy(33.2180, 0.3220, 0.2356)
contains.

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Color

Yxy(33.2268, 0.3222, 0.2355)

Conversions

Conversions Part 1

Format	Color
Hex	D37ECE
RGB	211, 126, 206
RGB Percent	83%, 49%, 81%
CMY	0.1726, 0.5058, 0.1922
CMYK	0.00, 0.40, 0.02, 0.17
HSL	304°, 49%, 66%
HSV	304°, 40%, 83%
XYZ	45.4593, 33.2268, 62.4043
YIQ	160.5350, 24.9800, 42.9000

Conversions

Conversions Part 2

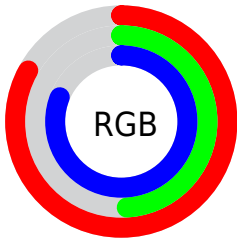
Format	Color
RYB	211, 126, 206
Decimal	13860558
CIELab	64.34, 44.71, -27.61
CIElCh	64, 52.544, 328.306
Yxy	33.2268, 0.3222, 0.2355
Android (android.graphics.Color)	4292050638 (0xFFD37ECE)
YUV	160.5350, 22.4142, 44.2578
Hunter-Lab	57.6427, 39.8976, -23.8378

Details

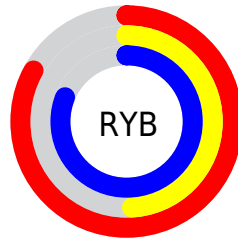
The Yxy color **33.2268, 0.3222, 0.2355** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **52.6531, 0.3040, 0.4448**, and the grayscale version is **35.3010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1225, 0.3162, 0.2556**, and **14.1005, 0.3240, 0.2120** is the 20% darker color. If you saturate the color by 10%, you get **28.3288, 0.3249, 0.2146**, and if you desaturate by 10%, it is **39.2660, 0.3196, 0.2582**.

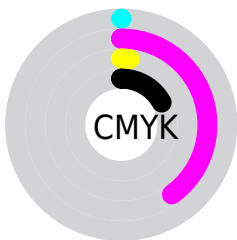
Distribution



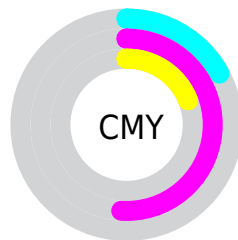
- Red (83%)
- Green (49%)
- Blue (81%)



- Red (83%)
- Yellow (49%)
- Blue (81%)



- Cyan (0%)
- Magenta (40%)
- Yellow (2%)
- Black (17%)





- Cyan (17%)
- Magenta (51%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2268, 0.3222, 0.2355 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 33.2268, 0.3222, 0.2355 by changing the saturation by 10% instead.

 33.2268, 0.3222,
0.2355


 33.2268, 0.3222,
0.2355

316.6705, 0.3187,
0.2809

 22.3002, 0.3227,
0.2247


 64.7295, 0.3212,
0.2516

 14.0777, 0.3230,
0.2112


 86.0744, 0.3208,
0.2578

 8.1747, 0.3231,
0.1938


 111.6608, 0.3204,
0.2630

 4.2069, 0.3224,
0.1708

141.8732, 0.3200,
0.2676

 1.7900, 0.3199,
0.1393

177.0960, 0.3196,
0.2715

 0.4809, 0.3153,
0.0859

217.7136, 0.3193,


 0.0000, 0.2799,


0.2750

0.0000

264.1102, 0.3190,
0.2781


 0.0000, 0.0000,
0.0000

 33.2268, 0.3222,
0.2355

 33.2268, 0.3222,
0.2355


 28.3288, 0.3249,
0.2146

 39.2660, 0.3196,
0.2582


 24.4955, 0.3275,
0.1964


 46.5077, 0.3171,
0.2818

 21.6478, 0.3300,
0.1817


 55.0143, 0.3149,
0.3054

 19.6942, 0.3324,
0.1713

 64.8424, 0.3128,
0.3284


 18.5256, 0.3345,
0.1652

 76.0453, 0.3109,
0.3503

 17.9503, 0.3363,
0.1626

 88.6734, 0.3092,
0.3709

 90.2542, 0.3085,
0.3720

 90.3179, 0.3078,
0.3706

 90.3822, 0.3071,
0.3693

Harmonies

Analogous

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



33.2268, 0.2462, 0.2103



33.2268, 0.3222, 0.2355



33.2268, 0.4058, 0.2795

Triad

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



33.2268, 0.3222, 0.2355



33.2268, 0.4332, 0.4497



33.2268, 0.1815, 0.2936

Complementary

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



33.2268, 0.3222, 0.2355



52.6531, 0.3040, 0.4448

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.



33.2268, 0.2204, 0.3798



33.2268, 0.3222, 0.2355



33.2268, 0.3650, 0.4804

Square

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



33.2268, 0.3222, 0.2355



33.2268, 0.4720, 0.3945



33.2268, 0.2871, 0.4573



33.2268, 0.1739, 0.2347

Rectangle

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



33.2268, 0.3222, 0.2355



33.2268, 0.4493, 0.3157



33.2268, 0.2871, 0.4573



33.2268, 0.1909, 0.3203

Sweetspot

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



33.2283, 0.3222, 0.2355



81.8915, 0.3153, 0.3010



24.3960, 0.2419, 0.2073



17.1451, 0.3156, 0.2979



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.



33.2283, 0.3222, 0.2355



44.6917, 0.3244, 0.2181



31.4619, 0.3676, 0.2818



11.9966, 0.3147, 0.3074



10.8411, 0.3361, 0.1625



0.6099, 0.3330, 0.1608

Inverse Universe

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



33.2283, 0.3222, 0.2355



44.6917, 0.3244, 0.2181



54.0216, 0.2792, 0.3826



11.9966, 0.3147, 0.3074



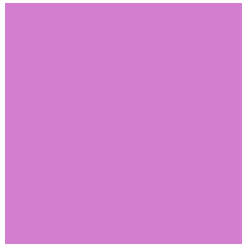
10.8411, 0.3361, 0.1625



0.6099, 0.3330, 0.1608

Previews

White Background



This preview shows how the Yxy color 33.2268, 0.3222, 0.2355 looks on a white background.

Color Contrast Check

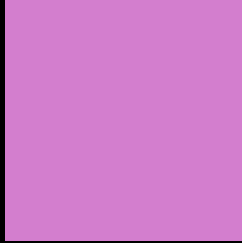
Large Text (above 18pt) WCAG AA × Fail

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 33.2268, 0.3222, 0.2355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

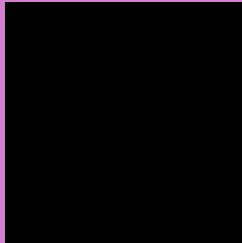
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2268, 0.3222, 0.2355

Background



This preview shows how black text looks on a background with the Yxy color 33.2268, 0.3222, 0.2355.



This preview shows how white text looks on a background with the Yxy color 33.2268, 0.3222, 0.2355.

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

33.2268, 0.3222, 0.2355

Protanopia

33.6182, 0.2390, 0.2291

Deuteranopia

33.6241, 0.2683, 0.2629



Tritanopia

33.1843, 0.3741, 0.3150

Trichromacy



Original Color

33.2268, 0.3222, 0.2355



Protanomaly

32.6909, 0.2641, 0.2297



Deuteranomaly

32.9162, 0.2859, 0.2506



Tritanomaly

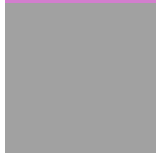
33.2179, 0.3549, 0.2840

Monochromacy



Original Color

33.2268, 0.3222, 0.2355



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

33.9378, 0.3166, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2268, 0.3222, 0.2355 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(211, 126, 206)` looks like.

```
.text, #text, p{  
    color:rgb(211, 126, 206)  
}
```

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(211, 126, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 126, 206) }
```

Border

The CSS property to change the border of an element to Yxy 33.2268, 0.3222, 0.2355 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(211, 126, 206) }
```

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

```
.border{ border-color:rgb(211, 126, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 126, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 126, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 126, 206);  
box-shadow:4px 4px 4px 4px rgb(211, 126,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2268, 0.3222, 0.2355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 126, 206) }
```

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

```
.background{ background-color: rgb(211,  
126, 206) }
```

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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