

Converting Colors

$Y_{xy}(35.1993, 0.3195, 0.2266)$

Have a look what the booklet for
Yxy(35.1993, 0.3195, 0.2266)
contains.

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Color

Yxy(35.1993, 0.3195, 0.2266)

Conversions

Conversions Part 1

Format	Color
Hex	DC7EDA
RGB	220, 126, 218
RGB Percent	86%, 49%, 85%
CMY	0.1373, 0.5059, 0.1451
CMYK	0.00, 0.43, 0.01, 0.14
HSL	301°, 57%, 68%
HSV	301°, 43%, 86%
XYZ	49.6301, 35.1993, 70.5073
YIQ	164.5940, 26.4920, 48.5400

Conversions

Conversions Part 2

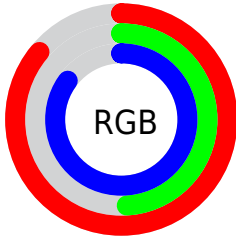
Format	Color
R _{YB}	220, 126, 218
Decimal	14450394
CIE _{Lab}	65.90, 49.60, -31.82
CIE _{LCh}	66, 58.925, 327.319
Yxy	35.1993, 0.3195, 0.2266
Android (android.graphics.Color)	4292640474 (0xFFDC7EDA)
YUV	164.5940, 26.3292, 48.5911
Hunter-Lab	59.3290, 45.4936, -28.9307

Details

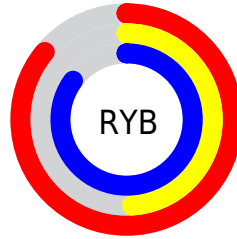
The Yxy color **35.1993, 0.3195, 0.2266** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **57.1802, 0.3054, 0.4584**, and the grayscale version is **37.2860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5277, 0.3161, 0.2565**, and **15.1960, 0.3187, 0.2010** is the 20% darker color. If you saturate the color by 10%, you get **30.1550, 0.3211, 0.2057**, and if you desaturate by 10%, it is **41.4839, 0.3179, 0.2496**.

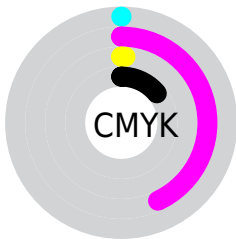
Distribution



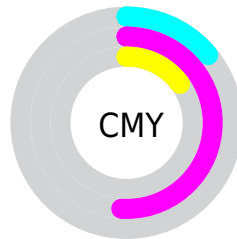
- Red (86%)
- Green (49%)
- Blue (85%)



- Red (86%)
- Yellow (49%)
- Blue (85%)



- Cyan (0%)
- Magenta (43%)
- Yellow (1%)
- Black (14%)





- Cyan (14%)
- Magenta (51%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1993, 0.3195, 0.2266 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 35.1993, 0.3195, 0.2266 by changing the saturation by 10% instead.


 35.1993, 0.3195,
0.2266


 35.1993, 0.3195,
0.2266


325.4472, 0.3178,
0.2753


 23.8164, 0.3195,
0.2153


 67.7944, 0.3192,
0.2437

 15.1975, 0.3191,
0.2013


 89.7754, 0.3190,
0.2502

 8.9581, 0.3183,
0.1836


 116.0580, 0.3188,
0.2559

 4.7139, 0.3163,
0.1607

147.0264, 0.3186,
0.2608

 2.0804, 0.3119,
0.1303

183.0652, 0.3184,
0.2651

 0.6536, 0.3024,
0.0870

224.5586, 0.3182,

 0.0000, 0.2855,

0.2689

0.0000

271.8911, 0.3180,
0.2723

0.0000, 0.0000,
0.0000

35.1993, 0.3195,
0.2266

35.1993, 0.3195,
0.2266

30.1550, 0.3211,
0.2057

41.4839, 0.3179,
0.2496

26.2642, 0.3226,
0.1880

49.0785, 0.3162,
0.2739

23.4367, 0.3239,
0.1741


58.0533, 0.3146,
0.2984

21.5666, 0.3250,
0.1644

68.4723, 0.3131,
0.3226

20.5265, 0.3258,
0.1590


80.3952, 0.3117,
0.3458

 20.1381, 0.3264,
0.1571

 91.9455, 0.3105,
0.3647

 91.9704, 0.3103,
0.3642

 91.9954, 0.3100,
0.3637

 92.0205, 0.3098,
0.3632

Harmonies

Analogous

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



35.1993, 0.2377, 0.2004



35.1993, 0.3195, 0.2266



35.1993, 0.4121, 0.2730

Triad

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



35.1993, 0.3195, 0.2266



35.1993, 0.4445, 0.4569



35.1993, 0.1712, 0.2916

Complementary

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



35.1993, 0.3195, 0.2266



57.1802, 0.3054, 0.4584

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.



35.1993, 0.2135, 0.3882



35.1993, 0.3195, 0.2266



35.1993, 0.3705, 0.4951

Square

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



35.1993, 0.3195, 0.2266



35.1993, 0.4869, 0.3955



35.1993, 0.2861, 0.4740



35.1993, 0.1626, 0.2272

Rectangle

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



35.1993, 0.3195, 0.2266



35.1993, 0.4610, 0.3113



35.1993, 0.2861, 0.4740



35.1993, 0.1815, 0.3214

Sweetspot

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



35.2009, 0.3195, 0.2266



80.5976, 0.3147, 0.2975



24.6470, 0.2341, 0.1975



16.6208, 0.3150, 0.2920



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.



35.2009, 0.3195, 0.2266



42.9578, 0.3209, 0.2083



33.0959, 0.3689, 0.2752



13.2698, 0.3141, 0.3064



11.8213, 0.3263, 0.1571



0.7674, 0.3253, 0.1566

Inverse Universe

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



35.2009, 0.3195, 0.2266



42.9578, 0.3209, 0.2083



58.6998, 0.2792, 0.3912



13.2698, 0.3141, 0.3064



11.8213, 0.3263, 0.1571



0.7674, 0.3253, 0.1566

Previews

White Background



This preview shows how the Yxy color 35.1993, 0.3195, 0.2266 looks on a white background.

Color Contrast Check

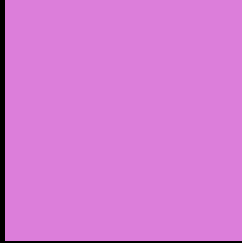
Large Text (above 18pt) WCAG AA × Fail

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 35.1993, 0.3195, 0.2266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

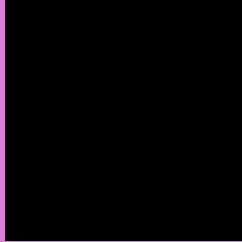
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1993, 0.3195, 0.2266

Background



This preview shows how black text looks on a background with the Yxy color 35.1993, 0.3195, 0.2266.



This preview shows how white text looks on a background with the Yxy color 35.1993, 0.3195, 0.2266.

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

35.1993, 0.3195, 0.2266

Protanopia

35.7501, 0.2314, 0.2190

Deuteranopia

35.5031, 0.2612, 0.2553



Tritanopia

35.2812, 0.3794, 0.3167

Trichromacy



Original Color

35.1993, 0.3195, 0.2266



Protanomaly

34.2848, 0.2565, 0.2186



Deuteranomaly

34.4115, 0.2799, 0.2416



Tritanomaly

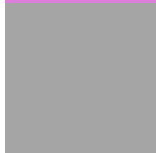
35.1505, 0.3574, 0.2819

Monochromacy



Original Color

35.1993, 0.3195, 0.2266



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

35.9082, 0.3157, 0.2854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1993, 0.3195, 0.2266 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(220, 126, 218)` looks like.

```
.text, #text, p{  
    color:rgb(220, 126, 218)  
}
```

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(220, 126, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 126, 218) }
```

Border

The CSS property to change the border of an element to Yxy 35.1993, 0.3195, 0.2266 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(220, 126, 218) }
```

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

```
.border{ border-color:rgb(220, 126, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 126, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 126, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 126, 218);  
box-shadow:4px 4px 4px 4px rgb(220, 126,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1993, 0.3195, 0.2266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 126, 218) }
```

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

```
.background{ background-color: rgb(220,  
126, 218) }
```

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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