

Converting Colors

$Y_{xy}(21.0348, 0.3402, 0.1752)$

Have a look what the booklet for
Yxy(21.0348, 0.3402, 0.1752)
contains.

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Color

Yxy(21.0278, 0.3395, 0.1749)

Conversions

Conversions Part 1

Format	Color
Hex	DB2ACB
RGB	219, 42, 203
RGB Percent	86%, 16%, 80%
CMY	0.1412, 0.8352, 0.2041
CMYK	0.00, 0.81, 0.07, 0.14
HSL	305°, 71%, 51%
HSV	305°, 81%, 86%
XYZ	40.8173, 21.0278, 58.3825
YIQ	113.2770, 53.8110, 87.5950

Conversions

Conversions Part 2

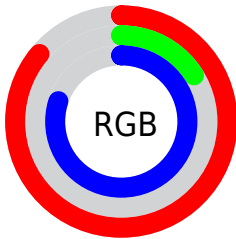
Format	Color
R_{YB}	219, 42, 203
Decimal	14363339
CIE _{Lab}	52.98, 79.90, -43.55
CIE _{LCh}	53, 91.000, 331.407
Yxy	21.0278, 0.3395, 0.1749
Android (android.graphics.Color)	4292553419 (0xFFDB2ACB)
YUV	113.2770, 44.2334, 92.7191
Hunter-Lab	45.8561, 78.6377, -43.3869

Details

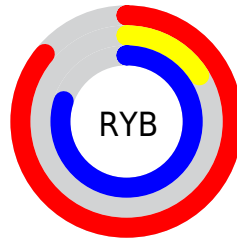
The Yxy color **21.0278, 0.3395, 0.1749** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **51.4633, 0.2972, 0.5653**, and the grayscale version is **16.4596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6319, 0.3190, 0.1949**, and **9.6117, 0.3405, 0.1649** is the 20% darker color. If you saturate the color by 10%, you get **19.7814, 0.3427, 0.1694**, and if you desaturate by 10%, it is **23.1252, 0.3360, 0.1848**.

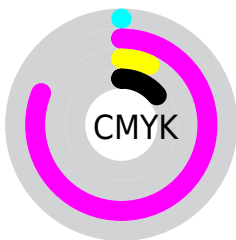
Distribution



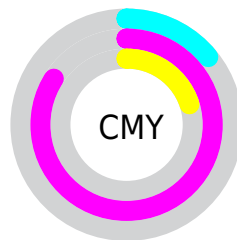
- Red (86%)
- Green (16%)
- Blue (80%)



- Red (86%)
- Yellow (16%)
- Blue (80%)



- Cyan (0%)
- Magenta (81%)
- Yellow (7%)
- Black (14%)





- Cyan (14%)
- Magenta (84%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0278, 0.3395, 0.1749 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 21.0278, 0.3395, 0.1749 by changing the saturation by 10% instead.


 21.0278, 0.3395,
0.1749


 21.0278, 0.3395,
0.1749


257.4262, 0.3293,
0.2489

 13.1443, 0.3409,
0.1580


 45.1338, 0.3366,
0.2008

 7.5280, 0.3419,
0.1373


 62.1251, 0.3353,
0.2108

 3.7944, 0.3421,
0.1120


 82.9212, 0.3341,
0.2194

 1.5593, 0.3399,
0.0811

 107.9063, 0.3330,
0.2269

 0.3299, 0.3355,
0.0344

 137.4650, 0.3319,
0.2334

 0.0000, 0.3118,
0.0000

171.9816, 0.3310,

 0.0000, 0.1384,

0.2392

0.0000

211.8406, 0.3301,
0.2443

■ 0.0000, 0.0000,
0.0000

■ 21.0278, 0.3395,
0.1749

■ 21.0278, 0.3395,
0.1749

■ 19.7814, 0.3427,
0.1694

■ 23.1252, 0.3360,
0.1848

■ 19.1909, 0.3454,
0.1676

■ 26.1916, 0.3324,
0.1989

■ 30.3294, 0.3287,
0.2165

■ 35.6275, 0.3251,
0.2369

■ 42.1654, 0.3217,
0.2590

■ 50.0154, 0.3185,
0.2820

■ 59.2445, 0.3155,
0.3049

■ 69.9151, 0.3129,
0.3272

■ 82.0857, 0.3106,
0.3485

Harmonies

Analogous

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



21.0278, 0.2002, 0.1351



21.0278, 0.3395, 0.1749



21.0278, 0.5107, 0.2412

Triad

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



21.0278, 0.3395, 0.1749



21.0278, 0.4813, 0.5180



21.0278, 0.0878, 0.2292

Complementary

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



21.0278, 0.3395, 0.1749



51.4633, 0.2972, 0.5653

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.



21.0278, 0.1287, 0.4050



21.0278, 0.3395, 0.1749



21.0278, 0.3506, 0.6212

Square

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



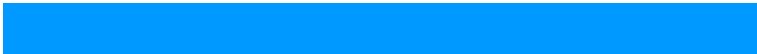
21.0278, 0.3395, 0.1749



21.0278, 0.5798, 0.4048



21.0278, 0.2254, 0.6065



21.0278, 0.0885, 0.1497

Rectangle

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



21.0278, 0.3395, 0.1749



21.0278, 0.5889, 0.2920



21.0278, 0.2254, 0.6065



21.0278, 0.0958, 0.2757

Sweetspot

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



21.0288, 0.3395, 0.1749



66.6224, 0.3195, 0.2741



7.6366, 0.1687, 0.0843



13.4107, 0.3207, 0.2659



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.



21.0288, 0.3395, 0.1749



27.2852, 0.3448, 0.1681



17.9746, 0.4786, 0.2593



13.2534, 0.3152, 0.3080



11.3876, 0.3450, 0.1674



0.7438, 0.3406, 0.1650

Inverse Universe

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



21.0288, 0.3395, 0.1749



27.2852, 0.3448, 0.1681



53.2096, 0.2615, 0.4429



13.2534, 0.3152, 0.3080



11.3876, 0.3450, 0.1674



0.7438, 0.3406, 0.1650

Previews

White Background



This preview shows how the Yxy color 21.0278, 0.3395, 0.1749 looks on a white background.

Color Contrast Check

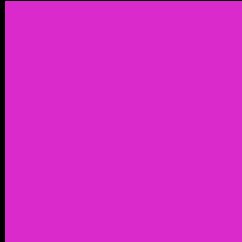
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0278, 0.3395, 0.1749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

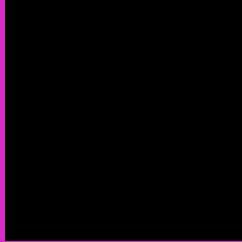
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0278, 0.3395, 0.1749

Background



This preview shows how black text looks on a background with the Yxy color 21.0278, 0.3395, 0.1749.



This preview shows how white text looks on a background with the Yxy color 21.0278, 0.3395, 0.1749.

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

21.0278, 0.3395, 0.1749

Protanopia

21.7260, 0.1779, 0.1499

Deuteranopia

21.2689, 0.2282, 0.2216



Tritanopia

21.0166, 0.4818, 0.3225

Trichromacy



Original Color

21.0278, 0.3395, 0.1749



Protanomaly

16.8282, 0.1998, 0.1372



Deuteranomaly

17.8327, 0.2576, 0.1834



Tritanomaly

20.1970, 0.4304, 0.2584

Monochromacy



Original Color

21.0278, 0.3395, 0.1749



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.5671, 0.3256, 0.2352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0278, 0.3395, 0.1749 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(219, 42, 203)` looks like.

```
.text, #text, p{  
    color:rgb(219, 42, 203)  
}
```

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(219, 42, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 42, 203) }
```

Border

The CSS property to change the border of an element to Yxy 21.0278, 0.3395, 0.1749 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(219, 42, 203) }
```

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

```
.border{ border-color:rgb(219, 42, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 42, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 42, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 42, 203);  
box-shadow:4px 4px 4px 4px rgb(219, 42,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0278, 0.3395, 0.1749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 42, 203) }
```

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

```
.background{ background-color: rgb(219, 42,  
203) }
```

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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