

Converting Colors

$Y_{xy}(21.6656, 0.3415, 0.1915)$

Have a look what the booklet for
Yxy(21.6656, 0.3415, 0.1915)
contains.

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Color

Yxy(21.7437, 0.3425, 0.1923)

Conversions

Conversions Part 1

Format	Color
Hex	D442C1
RGB	212, 66, 193
RGB Percent	83%, 26%, 76%
CMY	0.1686, 0.7412, 0.2432
CMYK	0.00, 0.69, 0.09, 0.17
HSL	308°, 63%, 55%
HSV	308°, 69%, 83%
XYZ	38.7271, 21.7437, 52.6010
YIQ	124.1320, 46.2490, 70.4490

Conversions

Conversions Part 2

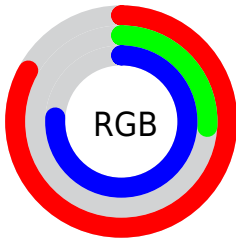
Format	Color
R _{YB}	212, 66, 193
Decimal	13910721
CIE _{Lab}	53.75, 70.01, -36.67
CIE _{LCh}	54, 79.033, 332.359
Yxy	21.7437, 0.3425, 0.1923
Android (android.graphics.Color)	4292100801 (0xFFD442C1)
YUV	124.1320, 33.9519, 77.0602
Hunter-Lab	46.6301, 66.6444, -34.2408

Details

The Yxy color **21.7437, 0.3425, 0.1923** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **48.9085, 0.2952, 0.5263**, and the grayscale version is **20.0750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8294, 0.3229, 0.2101**, and **8.7341, 0.3467, 0.1683** is the 20% darker color. If you saturate the color by 10%, you get **19.5878, 0.3475, 0.1820**, and if you desaturate by 10%, it is **24.8216, 0.3374, 0.2067**.

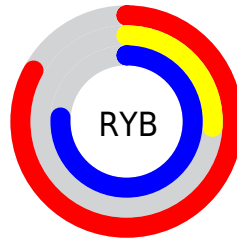
Distribution



Red (83%)

Green (26%)

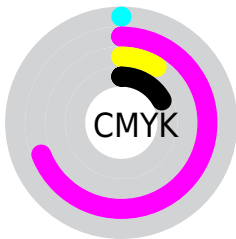
Blue (76%)



Red (83%)

Yellow (26%)

Blue (76%)

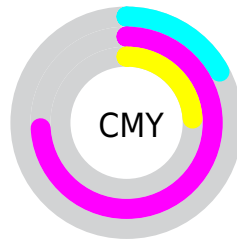


Cyan (0%)

Magenta (69%)

Yellow (9%)

Black (17%)



Cyan (17%)


Magenta (74%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7437, 0.3425, 0.1923 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 21.7437, 0.3425, 0.1923 by changing the saturation by 10% instead.


 21.7437, 0.3425,
0.1923


 21.7437, 0.3425,
0.1923


261.2049, 0.3297,
0.2594

 13.6687, 0.3449,
0.1764


 46.3220, 0.3384,
0.2162

 7.8906, 0.3474,
0.1566


 63.5941, 0.3367,
0.2253


 4.0250, 0.3498,
0.1317


 84.7007, 0.3352,
0.2331

 1.6876, 0.3511,
0.1000

 110.0262, 0.3338,
0.2398

 0.4156, 0.3519,
0.0515

 139.9550, 0.3326,
0.2457

 0.0000, 0.3394,
0.0000

174.8714, 0.3315,

 0.0000, 0.0000,

0.2508

0.0000

215.1599, 0.3306,
0.2554

■ 21.7437, 0.3425,
0.1923

■ 21.7437, 0.3425,
0.1923

■ 19.5878, 0.3475,
0.1820

■ 24.8216, 0.3374,
0.2067

■ 18.2435, 0.3522,
0.1761

■ 28.9093, 0.3324,
0.2245

■ 17.5413, 0.3567,
0.1742

■ 34.0880, 0.3277,
0.2446

■ 17.4763, 0.3572,
0.1741

■ 40.4297, 0.3232,
0.2662

■ 48.0002, 0.3192,
0.2883

 56.8604, 0.3156,
0.3102

 67.0674, 0.3124,
0.3313

 78.6744, 0.3096,
0.3514

 90.5734, 0.3073,
0.3684

Harmonies

Analogous

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



21.7437, 0.2168, 0.1537



21.7437, 0.3425, 0.1923



21.7437, 0.4886, 0.2554

Triad

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



21.7437, 0.3425, 0.1923



21.7437, 0.4684, 0.5092



21.7437, 0.1082, 0.2417

Complementary

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



21.7437, 0.3425, 0.1923



48.9085, 0.2952, 0.5263

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.



21.7437, 0.1488, 0.3905



21.7437, 0.3425, 0.1923



21.7437, 0.3550, 0.5886

Square

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



21.7437, 0.3425, 0.1923



21.7437, 0.5543, 0.4129



21.7437, 0.2391, 0.5572



21.7437, 0.1080, 0.1679

Rectangle

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



21.7437, 0.3425, 0.1923



21.7437, 0.5558, 0.3044



21.7437, 0.2391, 0.5572



21.7437, 0.1165, 0.2826

Sweetspot

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



21.7447, 0.3425, 0.1923



70.0221, 0.3201, 0.2831



10.4903, 0.1906, 0.1149



14.2868, 0.3212, 0.2769



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.



21.7447, 0.3425, 0.1923



28.5827, 0.3499, 0.1785



19.2994, 0.4510, 0.2669



12.6036, 0.3157, 0.3090



10.7979, 0.3566, 0.1738



0.6592, 0.3495, 0.1699

Inverse Universe

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



21.7447, 0.3425, 0.1923



28.5827, 0.3499, 0.1785



50.6540, 0.2606, 0.4151



12.6036, 0.3157, 0.3090



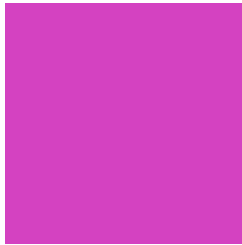
10.7979, 0.3566, 0.1738



0.6592, 0.3495, 0.1699

Previews

White Background



This preview shows how the Yxy color 21.7437, 0.3425, 0.1923 looks on a white background.

Color Contrast Check

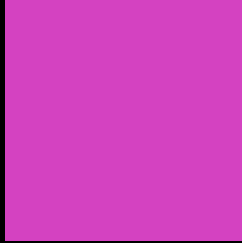
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7437, 0.3425, 0.1923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

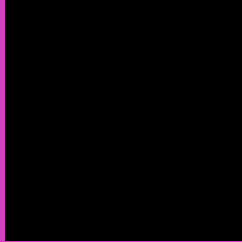
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7437, 0.3425, 0.1923

Background



This preview shows how black text looks on a background with the Yxy color 21.7437, 0.3425, 0.1923.



This preview shows how white text looks on a background with the Yxy color 21.7437, 0.3425, 0.1923.

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

21.7437, 0.3425, 0.1923

Protanopia

22.3166, 0.1881, 0.1623

Deuteranopia

22.0872, 0.2424, 0.2373



Tritanopia

21.8205, 0.4584, 0.3219

Trichromacy



Original Color

21.7437, 0.3425, 0.1923



Protanomaly

19.1735, 0.2177, 0.1605



Deuteranomaly

19.8020, 0.2719, 0.2081



Tritanomaly

21.1837, 0.4167, 0.2681

Monochromacy



Original Color

21.7437, 0.3425, 0.1923



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

18.9383, 0.3252, 0.2568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7437, 0.3425, 0.1923 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(212, 66, 193)` looks like.

```
.text, #text, p{  
    color:rgb(212, 66, 193)  
}
```

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(212, 66, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 66, 193) }
```

Border

The CSS property to change the border of an element to Yxy 21.7437, 0.3425, 0.1923 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(212, 66, 193) }
```

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

```
.border{ border-color:rgb(212, 66, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 66, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 66, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 66, 193);  
box-shadow:4px 4px 4px 4px rgb(212, 66,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7437, 0.3425, 0.1923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 66, 193) }
```

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

```
.background{ background-color: rgb(212, 66,  
193) }
```

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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