

# Converting Colors

$Y_{xy}(22.0557, 0.3347, 0.1843)$

Have a look what the booklet for  
Yxy(22.0557, 0.3347, 0.1843)  
contains.

<b>Yxy(22.0682, 0.3351, 0.1846)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(22.0682, 0.3351, 0.1846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D63FC9
RGB	214, 63, 201
RGB Percent	84%, 25%, 79%
CMY	0.1607, 0.7531, 0.2117
CMYK	0.00, 0.71, 0.06, 0.16
HSL	305°, 65%, 54%
HSV	305°, 71%, 84%
XYZ	40.0599, 22.0682, 57.4180
YIQ	123.8810, 45.6980, 74.9300

# Conversions

## Conversions Part 2

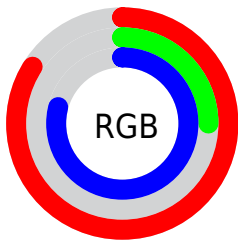
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 63, 201
Decimal	14041033
CIE <sub>Lab</sub>	54.10, 72.73, -40.72
CIE <sub>LCh</sub>	54, 83.353, 330.756
Yxy	22.0682, 0.3351, 0.1846
Android (android.graphics.Color)	4292231113 (0xFFD63FC9)
YUV	123.8810, 38.0197, 79.0344
Hunter-Lab	46.9768, 70.0080, -39.5842

# Details

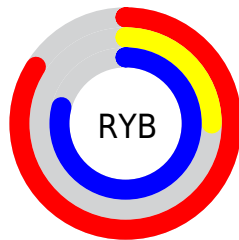
The Yxy color **22.0682, 0.3351, 0.1846** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **49.6856, 0.2977, 0.5397**, and the grayscale version is **19.9695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6459, 0.3185, 0.2047**, and **9.0439, 0.3358, 0.1624** is the 20% darker color. If you saturate the color by 10%, you get **20.0571, 0.3384, 0.1746**, and if you desaturate by 10%, it is **25.0031, 0.3316, 0.1988**.

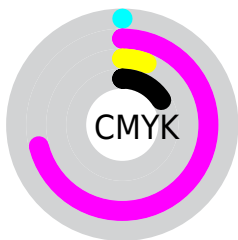
# Distribution



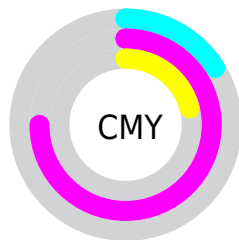
- Red (84%)
- Green (25%)
- Blue (79%)



- Red (84%)
- Yellow (25%)
- Blue (79%)



- Cyan (0%)
- Magenta (71%)
- Yellow (6%)
- Black (16%)




- Cyan (16%)
- Magenta (75%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0682, 0.3351, 0.1846 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 22.0682, 0.3351, 0.1846 by changing the saturation by 10% instead.





 22.0682, 0.3351,  
0.1846


 22.0682, 0.3351,  
0.1846


262.9022, 0.3267,  
0.2545


 13.9070, 0.3362,  
0.1684

 46.8587, 0.3328,  
0.2092

 8.0560, 0.3369,  
0.1484

 64.2568, 0.3317,  
0.2187

 4.1308, 0.3368,  
0.1235


 85.5027, 0.3307,  
0.2268

 1.7470, 0.3344,  
0.0926

 110.9807, 0.3298,  
0.2339

 0.4538, 0.3288,  
0.0485

 141.0752, 0.3289,  
0.2400

 0.0000, 0.3088,  
0.0000

176.1708, 0.3281,


 0.0000, 0.0991,


0.2454


0.0000


216.6516, 0.3274,  
0.2502


 0.0000, 0.0000,  
0.0000

 22.0682, 0.3351,  
0.1846


 22.0682, 0.3351,  
0.1846


 20.0571, 0.3384,  
0.1746


 25.0031, 0.3316,  
0.1988

 18.8530, 0.3414,  
0.1689


 28.9542, 0.3281,  
0.2166


 18.2680, 0.3441,  
0.1669


 34.0061, 0.3246,  
0.2371

 40.2338, 0.3213,  
0.2593

 47.7057, 0.3182,  
0.2823

 56.4849, 0.3154,  
0.3053

 66.6303, 0.3129,  
0.3277

 78.1971, 0.3106,  
0.3491

 90.8624, 0.3087,  
0.3685

# Harmonies

## Analogous

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



22.0682, 0.2073, 0.1468



22.0682, 0.3351, 0.1846



22.0682, 0.4894, 0.2479

# Triad

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



22.0682, 0.3351, 0.1846



22.0682, 0.4768, 0.5072



22.0682, 0.1025, 0.2429

# Complementary

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



22.0682, 0.3351, 0.1846



49.6856, 0.2977, 0.5397

# 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.



22.0682, 0.1456, 0.4033



22.0682, 0.3351, 0.1846



22.0682, 0.3594, 0.5967

# Square

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



22.0682, 0.3351, 0.1846



22.0682, 0.5651, 0.4069



22.0682, 0.2400, 0.5769



22.0682, 0.1011, 0.1642



# Rectangle

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



22.0682, 0.3351, 0.1846



22.0682, 0.5628, 0.2975



22.0682, 0.2400, 0.5769



22.0682, 0.1114, 0.2868

# Sweetspot

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



22.0692, 0.3351, 0.1846



70.1699, 0.3184, 0.2809



9.9252, 0.1844, 0.1085



14.3224, 0.3192, 0.2744



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.



22.0692, 0.3351, 0.1846



28.7377, 0.3400, 0.1710



19.3552, 0.4477, 0.2604



12.6134, 0.3151, 0.3080



11.0460, 0.3437, 0.1667



0.6718, 0.3393, 0.1643



# Inverse Universe

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



22.0692, 0.3351, 0.1846



28.7377, 0.3400, 0.1710



51.4013, 0.2627, 0.4260



12.6134, 0.3151, 0.3080



11.0460, 0.3437, 0.1667



0.6718, 0.3393, 0.1643



# Previews

## White Background



This preview shows how the Yxy color 22.0682, 0.3351, 0.1846 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

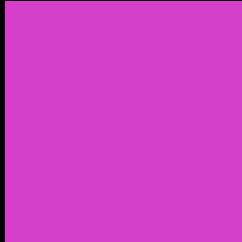
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 22.0682, 0.3351, 0.1846 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

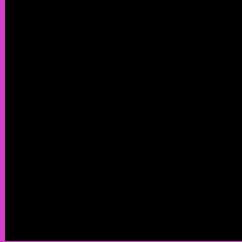
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 22.0682, 0.3351, 0.1846**

## Background



This preview shows how black text looks on a background with the Yxy color 22.0682, 0.3351, 0.1846.



This preview shows how white text looks on a background with the Yxy color 22.0682, 0.3351, 0.1846.

# 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

22.0682, 0.3351, 0.1846

### Protanopia

22.7947, 0.1820, 0.1549

### Deuteranopia

22.4052, 0.2349, 0.2292



## Tritanopia

21.9811, 0.4581, 0.3207

# Trichromacy



## Original Color

22.0682, 0.3351, 0.1846



## Protanomaly

18.9499, 0.2076, 0.1504



## Deuteranomaly

19.9726, 0.2628, 0.1988



## Tritanomaly

21.4314, 0.4133, 0.2629

# Monochromacy



## Original Color

22.0682, 0.3351, 0.1846



## Achromatopsia

20.1556, 0.3127, 0.3290



## Achromatomaly

18.9378, 0.3228, 0.2514

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 22.0682, 0.3351, 0.1846 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(214, 63, 201)` looks like.

```
.text, #text, p{  
    color:rgb(214, 63, 201)  
}
```

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(214, 63, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 63, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 22.0682, 0.3351, 0.1846 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(214, 63, 201) }
```

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

```
.border{ border-color:rgb(214, 63, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 63, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 63, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 63, 201); box-shadow:4px 4px 4px 4px rgb(214, 63, 201) }
```



# Background

The CSS property to change the background color of an element to Yxy 22.0682, 0.3351, 0.1846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 63, 201) }
```

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

```
.background{ background-color: rgb(214, 63,  
201) }
```

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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