

# Converting Colors

$Y_{xy}(20.7292, 0.3465, 0.1747)$

Have a look what the booklet for  
Yxy(20.7292, 0.3465, 0.1747)  
contains.

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**Color**

**Yxy(20.7266, 0.3459, 0.1742)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE1FC9
RGB	222, 31, 201
RGB Percent	87%, 12%, 79%
CMY	0.1295, 0.8783, 0.2117
CMYK	0.00, 0.86, 0.09, 0.13
HSL	307°, 75%, 50%
HSV	307°, 86%, 87%
XYZ	41.1557, 20.7266, 57.0993
YIQ	107.4890, 59.2660, 93.3620

# Conversions

## Conversions Part 2

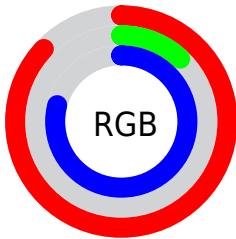
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 31, 201
Decimal	14557129
CIE Lab	52.65, 82.37, -42.92
CIE LCh	53, 92.881, 332.476
Yxy	20.7266, 0.3459, 0.1742
Android (android.graphics.Color)	4292747209 (0xFFDE1FC9)
YUV	107.4890, 46.1009, 100.4261
Hunter-Lab	45.5265, 81.6919, -42.4930

# Details

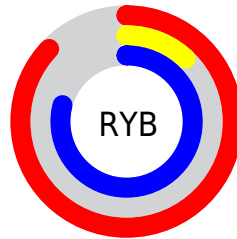
The Yxy color **20.7266, 0.3459, 0.1742** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed magenta. A complement of this color would be **52.7771, 0.2965, 0.5732**, and the grayscale version is **14.7084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5832, 0.3192, 0.1914**, and **9.7567, 0.3472, 0.1686** is the 20% darker color. If you saturate the color by 10%, you get **19.8238, 0.3496, 0.1712**, and if you desaturate by 10%, it is **22.4291, 0.3419, 0.1815**.

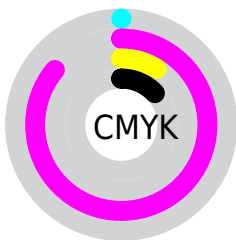
# Distribution



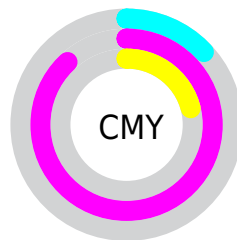
- Red (87%)
- Green (12%)
- Blue (79%)



- Red (87%)
- Yellow (12%)
- Blue (79%)



- Cyan (0%)
- Magenta (86%)
- Yellow (9%)
- Black (13%)



- Cyan (13%)
- Magenta (88%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7266, 0.3459, 0.1742 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 20.7266, 0.3459, 0.1742 by changing the saturation by 10% instead.





 20.7266, 0.3459,  
0.1742


 20.7266, 0.3459,  
0.1742


255.8219, 0.3323,  
0.2486


 12.9243, 0.3482,  
0.1572


 44.6321, 0.3418,  
0.2002

 7.3764, 0.3504,  
0.1364


 61.5040, 0.3400,  
0.2103

 3.6986, 0.3520,  
0.1110


 82.1680, 0.3384,  
0.2190

 1.5064, 0.3519,  
0.0799

 107.0084, 0.3369,  
0.2265

 0.2933, 0.3513,  
0.0314

 136.4096, 0.3356,  
0.2330

 0.0000, 0.3310,  
0.0000

170.7560, 0.3344,

 0.0000, 0.1691,

0.2388

0.0000

210.4320, 0.3333,  
0.2440

■ 0.0000, 0.0000,  
0.0000

■ 20.7266, 0.3459,  
0.1742

■ 20.7266, 0.3459,  
0.1742

■ 19.8238, 0.3496,  
0.1712

■ 22.4291, 0.3419,  
0.1815

■ 19.5871, 0.3511,  
0.1708

■ 25.0701, 0.3376,  
0.1933

■ 28.7651, 0.3333,  
0.2089

■ 33.6119, 0.3290,  
0.2278

■ 39.6976, 0.3249,  
0.2488

■ 47.1006, 0.3210,  
0.2711

■ 55.8929, 0.3176,  
0.2937

■ 66.1412, 0.3144,  
0.3160

■ 77.9082, 0.3117,  
0.3374

# Harmonies

## Analogous

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



20.7266, 0.2018, 0.1331



20.7266, 0.3459, 0.1742



20.7266, 0.5209, 0.2418

# Triad

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



20.7266, 0.3459, 0.1742



20.7266, 0.4771, 0.5229



20.7266, 0.0839, 0.2220

# Complementary

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



20.7266, 0.3459, 0.1742



52.7771, 0.2965, 0.5732

# 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.



20.7266, 0.1224, 0.3983



20.7266, 0.3459, 0.1742



20.7266, 0.3440, 0.6296

# Square

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



20.7266, 0.3459, 0.1742



20.7266, 0.5812, 0.4073



20.7266, 0.2179, 0.6101



20.7266, 0.0860, 0.1448



# Rectangle

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



20.7266, 0.3459, 0.1742



20.7266, 0.5977, 0.2929



20.7266, 0.2179, 0.6101



20.7266, 0.0911, 0.2679

# Sweetspot

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



20.7276, 0.3459, 0.1742



64.2861, 0.3211, 0.2707



6.9366, 0.1637, 0.0757



12.9599, 0.3224, 0.2628



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.



20.7276, 0.3459, 0.1742



26.8056, 0.3513, 0.1709



17.5802, 0.5003, 0.2642



13.9083, 0.3155, 0.3084



11.6458, 0.3506, 0.1705



0.8147, 0.3454, 0.1676



# Inverse Universe

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



20.7276, 0.3459, 0.1742



26.8056, 0.3513, 0.1709



54.5923, 0.2603, 0.4463



13.9083, 0.3155, 0.3084



11.6458, 0.3506, 0.1705



0.8147, 0.3454, 0.1676



# Previews

## White Background



This preview shows how the Yxy color 20.7266, 0.3459, 0.1742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

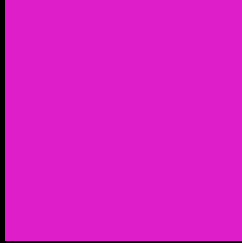
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 20.7266, 0.3459, 0.1742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

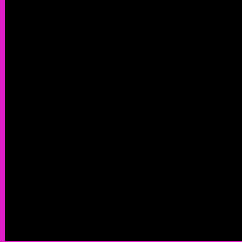
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 20.7266, 0.3459, 0.1742**

## Background



This preview shows how black text looks on a background with the Yxy color 20.7266, 0.3459, 0.1742.



This preview shows how white text looks on a background with the Yxy color 20.7266, 0.3459, 0.1742.

# 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

20.7266, 0.3459, 0.1742

### Protanopia

21.4003, 0.1768, 0.1483

### Deuteranopia

21.1925, 0.2308, 0.2255



## Tritanopia

20.7400, 0.4954, 0.3239

# Trichromacy



## Original Color

20.7266, 0.3459, 0.1742



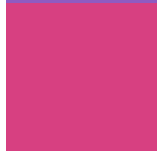
## Protanomaly

15.7956, 0.1978, 0.1317



## Deuteranomaly

17.1721, 0.2618, 0.1820



## Tritanomaly

19.6988, 0.4432, 0.2582

# Monochromacy



## Original Color

20.7266, 0.3459, 0.1742



## Achromatopsia

14.9960, 0.3127, 0.3290



## Achromatomaly

14.0799, 0.3277, 0.2290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 20.7266, 0.3459, 0.1742 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(222, 31, 201)` looks like.

```
.text, #text, p{  
    color:rgb(222, 31, 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(222, 31, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 31, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 20.7266, 0.3459, 0.1742 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(222, 31, 201) }
```

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

```
.border{ border-color:rgb(222, 31, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 31, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 31, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 31, 201);  
box-shadow:4px 4px 4px 4px rgb(222, 31,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 20.7266, 0.3459, 0.1742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 31, 201) }
```

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

```
.background{ background-color: rgb(222, 31,  
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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