

# Converting Colors

$Y_{xy}(23.2275, 0.3240, 0.1759)$

Have a look what the booklet for  
Yxy(23.2275, 0.3240, 0.1759)  
contains.

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# Color

**Yxy(23.2057, 0.3245, 0.1760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DA3ED6
RGB	218, 62, 214
RGB Percent	85%, 24%, 84%
CMY	0.1449, 0.7571, 0.1607
CMYK	0.00, 0.72, 0.02, 0.14
HSL	302°, 68%, 55%
HSV	302°, 72%, 86%
XYZ	42.7855, 23.2057, 65.8594
YIQ	125.9720, 44.1840, 80.3440

# Conversions

## Conversions Part 2

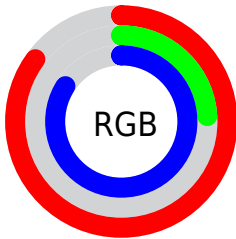
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 62, 214
Decimal	14302934
CIE Lab	55.28, 75.94, -46.24
CIE LCh	55, 88.910, 328.664
Yxy	23.2057, 0.3245, 0.1760
Android (android.graphics.Color)	4292493014 (0xFFDA3ED6)
YUV	125.9720, 43.3978, 80.7086
Hunter-Lab	48.1723, 74.2380, -47.3385

# Details

The Yxy color **23.2057, 0.3245, 0.1760** 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 **51.5800, 0.3008, 0.5531**, and the grayscale version is **20.6847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8953, 0.3185, 0.2055**, and **9.8741, 0.3209, 0.1542** is the 20% darker color. If you saturate the color by 10%, you get **21.2663, 0.3258, 0.1659**, and if you desaturate by 10%, it is **26.0976, 0.3230, 0.1904**.

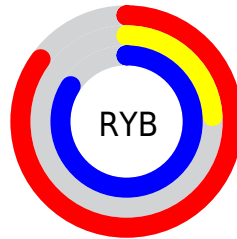
# Distribution



Red (85%)

Green (24%)

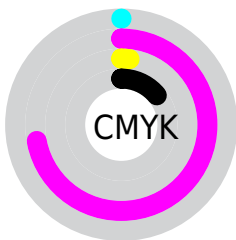
Blue (84%)



Red (85%)

Yellow (24%)

Blue (84%)

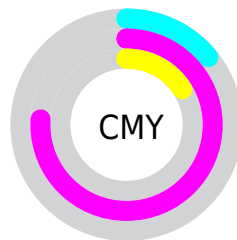


Cyan (0%)

Magenta (72%)

Yellow (2%)

Black (14%)



Cyan (14%)

Magenta (76%)

Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.2057, 0.3245, 0.1760 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 23.2057, 0.3245, 0.1760 by changing the saturation by 10% instead.





 23.2057, 0.3245,  
0.1760


 23.2057, 0.3245,  
0.1760


268.7798, 0.3223,  
0.2485


 14.7455, 0.3239,  
0.1597


 48.7309, 0.3246,  
0.2011


 8.6409, 0.3223,  
0.1398


 66.5646, 0.3244,  
0.2109


 4.5077, 0.3192,  
0.1156


 88.2916, 0.3241,  
0.2194

 1.9614, 0.3128,  
0.0862

 114.2963, 0.3237,  
0.2267

 0.5849, 0.3004,  
0.0490

 144.9631, 0.3234,  
0.2332

 0.0000, 0.2759,  
0.0000

180.6763, 0.3230,

 0.0000, 0.1647,


0.2389

0.0000

221.8204, 0.3227,  
0.2439

 0.0000, 0.0000,  
0.0000

 23.2057, 0.3245,  
0.1760

 23.2057, 0.3245,  
0.1760


 21.2663, 0.3258,  
0.1659

 26.0976, 0.3230,  
0.1904


 20.1546, 0.3268,  
0.1601

 30.0405, 0.3214,  
0.2085


 19.6874, 0.3275,  
0.1578

 35.1241, 0.3197,  
0.2296


 41.4275, 0.3179,  
0.2527

 49.0230, 0.3162,  
0.2769

 57.9772, 0.3145,  
0.3013

 68.3521, 0.3130,  
0.3253

 80.2058, 0.3115,  
0.3482

 91.5505, 0.3103,  
0.3667

# Harmonies

## Analogous

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



23.2057, 0.1960, 0.1397



23.2057, 0.3245, 0.1760



23.2057, 0.4871, 0.2391

# Triad

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



23.2057, 0.3245, 0.1760



23.2057, 0.4875, 0.5027



23.2057, 0.0973, 0.2466

# Complementary

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



23.2057, 0.3245, 0.1760



51.5800, 0.3008, 0.5531

# 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.



23.2057, 0.1436, 0.4209



23.2057, 0.3245, 0.1760



23.2057, 0.3657, 0.6024

# Square

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



23.2057, 0.3245, 0.1760



23.2057, 0.5771, 0.3987



23.2057, 0.2429, 0.5989



23.2057, 0.0941, 0.1615



# Rectangle

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



23.2057, 0.3245, 0.1760



23.2057, 0.5682, 0.2890



23.2057, 0.2429, 0.5989



23.2057, 0.1070, 0.2944

# Sweetspot

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



23.2068, 0.3245, 0.1760



70.3750, 0.3161, 0.2779



9.6107, 0.1768, 0.1028



14.3720, 0.3166, 0.2711



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.



23.2068, 0.3245, 0.1760



29.3655, 0.3263, 0.1624



20.1677, 0.4333, 0.2483



13.2688, 0.3142, 0.3065



11.7921, 0.3274, 0.1577



0.7658, 0.3263, 0.1571



# Inverse Universe

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



23.2068, 0.3245, 0.1760



29.3655, 0.3263, 0.1624



53.1581, 0.2676, 0.4447



13.2688, 0.3142, 0.3065



11.7921, 0.3274, 0.1577



0.7658, 0.3263, 0.1571



# Previews

## White Background



This preview shows how the Yxy color 23.2057, 0.3245, 0.1760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

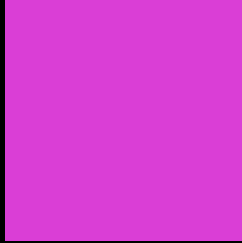
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 23.2057, 0.3245, 0.1760 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

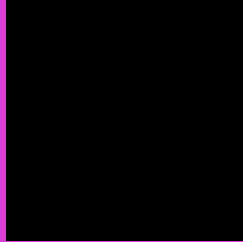
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 23.2057, 0.3245, 0.1760**

## Background



This preview shows how black text looks on a background with the Yxy color 23.2057, 0.3245, 0.1760.



This preview shows how white text looks on a background with the Yxy color 23.2057, 0.3245, 0.1760.

# 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

23.2057, 0.3245, 0.1760

### Protanopia

23.8503, 0.1856, 0.1597

### Deuteranopia

23.4110, 0.2245, 0.2183



## Tritanopia

23.0861, 0.4517, 0.3207

## Trichromacy



### Original Color

23.2057, 0.3245, 0.1760



### Protanomaly

20.1763, 0.2112, 0.1515



### Deuteranomaly

20.7712, 0.2515, 0.1888



### Tritanomaly

22.4015, 0.4040, 0.2584

## Monochromacy



### Original Color

23.2057, 0.3245, 0.1760



### Achromatopsia

20.8637, 0.3127, 0.3290



### Achromatomaly

19.5400, 0.3179, 0.2453

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.2057, 0.3245, 0.1760 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(218, 62, 214)` looks like.

```
.text, #text, p{  
    color:rgb(218, 62, 214)  
}
```

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(218, 62, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 62, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 23.2057, 0.3245, 0.1760 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(218, 62, 214) }
```

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

```
.border{ border-color:rgb(218, 62, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 62, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 62, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 62, 214);  
box-shadow:4px 4px 4px 4px rgb(218, 62,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.2057, 0.3245, 0.1760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 62, 214) }
```

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

```
.background{ background-color: rgb(218, 62,  
214) }
```

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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