

# Converting Colors

$Y_{xy}(23.6230, 0.3553, 0.1731)$

Have a look what the booklet for  
Yxy(23.6230, 0.3553, 0.1731)  
contains.

<b>Yxy(23.6307, 0.3555, 0.1732)</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(23.6307, 0.3555, 0.1732)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F200D4
RGB	242, 0, 212
RGB Percent	95%, 0%, 83%
CMY	0.0510, 0.9999, 0.1686
CMYK	0.00, 1.00, 0.12, 0.05
HSL	307°, 100%, 47%
HSV	307°, 100%, 95%
XYZ	48.5030, 23.6307, 64.3022
YIQ	96.5260, 76.1800, 117.2360

# Conversions

## Conversions Part 2

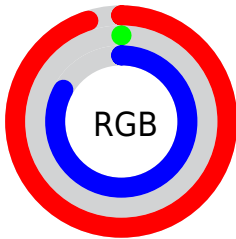
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 0, 212
Decimal	15859924
CIE Lab	55.72, 90.44, -44.15
CIE LCh	56, 100.638, 333.980
Yxy	23.6307, 0.3555, 0.1732
Android (android.graphics.Color)	4294050004 (0xFFFF200D4)
YUV	96.5260, 56.9287, 127.5807
Hunter-Lab	48.6114, 93.0318, -44.3997

# Details

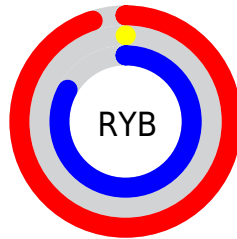
The Yxy color **23.6307, 0.3555, 0.1732** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **63.5982, 0.2978, 0.5921**, and the grayscale version is **11.6795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7874, 0.3193, 0.1887**, and **12.2581, 0.3574, 0.1743** is the 20% darker color. If you saturate the color by 10%, you get **23.6314, 0.3555, 0.1732**, and if you desaturate by 10%, it is **24.4465, 0.3513, 0.1745**.

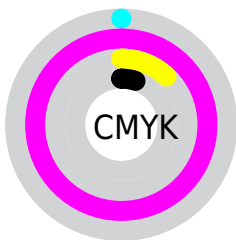
# Distribution



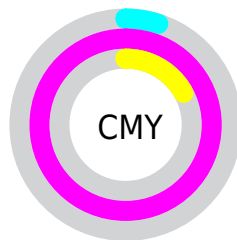
- Red (95%)
- Green (0%)
- Blue (83%)



- Red (95%)
- Yellow (0%)
- Blue (83%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (5%)




- Cyan (5%)
- Magenta (100%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6307, 0.3555, 0.1732 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 23.6307, 0.3555, 0.1732 by changing the saturation by 10% instead.





 23.6307, 0.3555,  
0.1732


 23.6307, 0.3555,  
0.1732


270.9481, 0.3373,  
0.2461


 15.0599, 0.3589,  
0.1570


 49.4269, 0.3497,  
0.1983


 8.8614, 0.3627,  
0.1374


 67.4211, 0.3473,  
0.2082

 4.6509, 0.3665,  
0.1136


 89.3251, 0.3451,  
0.2167

 2.0439, 0.3698,  
0.0848

 115.5235, 0.3432,  
0.2241

 0.6328, 0.3713,  
0.0496

 146.4006, 0.3415,  
0.2306

 0.0000, 0.3699,  
0.0000

182.3408, 0.3400,

 0.0000, 0.3312,

0.2364


0.0000

223.7285, 0.3386,  
0.2415

 0.0000, 0.0000,  
0.0000


 23.6307, 0.3555,  
0.1732


 23.6307, 0.3555,  
0.1732


 23.6314, 0.3555,  
0.1732

 24.4465, 0.3513,  
0.1745

 26.0880, 0.3469,  
0.1797

 28.8132, 0.3421,  
0.1895

 32.7751, 0.3373,  
0.2034

 38.1025, 0.3324,  
0.2210

■ 44.9078, 0.3278,  
0.2411

■ 53.2919, 0.3234,  
0.2628

■ 63.3466, 0.3194,  
0.2851

■ 75.1570, 0.3159,  
0.3074

# Harmonies

## Analogous

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



23.6307, 0.2042, 0.1301



23.6307, 0.3555, 0.1732



23.6307, 0.5358, 0.2425

# Triad

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



23.6307, 0.3555, 0.1732



23.6307, 0.4702, 0.5298



23.6307, 0.0783, 0.2117

# Complementary

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



23.6307, 0.3555, 0.1732



63.5982, 0.2978, 0.5921

# 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.



23.6307, 0.1136, 0.3881



23.6307, 0.3555, 0.1732



23.6307, 0.3340, 0.6420

# Square

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



23.6307, 0.3555, 0.1732



23.6307, 0.5825, 0.4106



23.6307, 0.2070, 0.6150



23.6307, 0.0826, 0.1379



# Rectangle

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



23.6307, 0.3555, 0.1732



23.6307, 0.6102, 0.2939



23.6307, 0.2070, 0.6150



23.6307, 0.0846, 0.2567

# Sweetspot

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



23.6319, 0.3555, 0.1732



59.9246, 0.3235, 0.2626



6.6615, 0.1535, 0.0619



11.9254, 0.3253, 0.2533



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.



23.6319, 0.3555, 0.1732



26.6095, 0.3556, 0.1733



19.6640, 0.5487, 0.2797



15.9957, 0.3157, 0.3086



12.7089, 0.3549, 0.1728



1.0666, 0.3497, 0.1700



# Inverse Universe

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



23.6319, 0.3555, 0.1732



26.6095, 0.3556, 0.1733



65.6821, 0.2617, 0.4621



15.9957, 0.3157, 0.3086



12.7089, 0.3549, 0.1728



1.0666, 0.3497, 0.1700



# Previews

## White Background



This preview shows how the Yxy color 23.6307, 0.3555, 0.1732 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

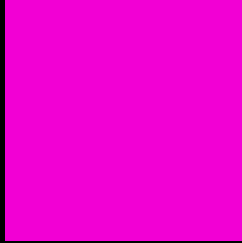
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 23.6307, 0.3555, 0.1732 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 23.6307, 0.3555, 0.1732**

## **Background**



This preview shows how black text looks on a background with the Yxy color 23.6307, 0.3555, 0.1732.



This preview shows how white text looks on a background with the Yxy color 23.6307, 0.3555, 0.1732.

# 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

23.6307, 0.3555, 0.1732

### Protanopia

24.5764, 0.1880, 0.1630

### Deuteranopia

24.2995, 0.2335, 0.2279



## Tritanopia

23.8800, 0.5141, 0.3247

# Trichromacy



## Original Color

23.6307, 0.3555, 0.1732



## Protanomaly

17.0856, 0.2161, 0.1332



## Deuteranomaly

17.9246, 0.2656, 0.1709



## Tritanomaly

21.9018, 0.4625, 0.2547

# Monochromacy



## Original Color

23.6307, 0.3555, 0.1732



## Achromatopsia

11.9538, 0.3127, 0.3290



## Achromatomaly

11.7934, 0.3358, 0.2089

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 23.6307, 0.3555, 0.1732 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(242, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 212)  
}
```

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(242, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 23.6307, 0.3555, 0.1732 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(242, 0, 212) }
```

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

```
.border{ border-color:rgb(242, 0, 212) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 23.6307, 0.3555, 0.1732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 212) }
```

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

```
.background{ background-color: rgb(242, 0,  
212) }
```

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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