

Converting Colors

$Y_{xy}(23.6670, 0.3470, 0.1697)$

Have a look what the booklet for
Yxy(23.6670, 0.3470, 0.1697)
contains.

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Color

Yxy(23.7521, 0.3469, 0.1697)

Conversions

Conversions Part 1

Format	Color
Hex	F00AD9
RGB	240, 10, 217
RGB Percent	94%, 4%, 85%
CMY	0.0590, 0.9589, 0.1491
CMYK	0.00, 0.96, 0.10, 0.06
HSL	306°, 92%, 49%
HSV	306°, 96%, 94%
XYZ	48.5539, 23.7521, 67.6592
YIQ	102.3680, 70.6330, 113.1370

Conversions

Conversions Part 2

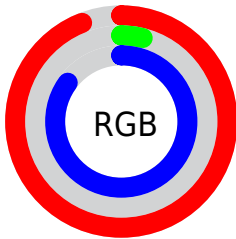
Format	Color
R _Y B	240, 10, 217
Decimal	15731417
CIE Lab	55.84, 90.05, -46.81
CIE LCh	56, 101.487, 332.534
Yxy	23.7521, 0.3469, 0.1697
Android (android.graphics.Color)	4293921497 (0xFFFF0AD9)
YUV	102.3680, 56.5136, 120.7033
Hunter-Lab	48.7361, 92.5445, -48.1956

Details

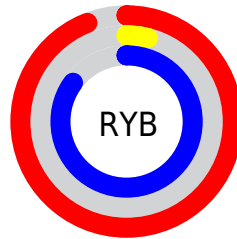
The Yxy color **23.7521, 0.3469, 0.1697** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **62.4719, 0.2980, 0.5899**, and the grayscale version is **13.2966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **12.1569, 0.3479, 0.1690** is the 20% darker color. If you saturate the color by 10%, you get **23.4713, 0.3483, 0.1692**, and if you desaturate by 10%, it is **24.8229, 0.3435, 0.1728**.

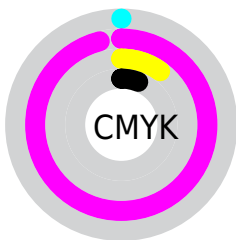
Distribution



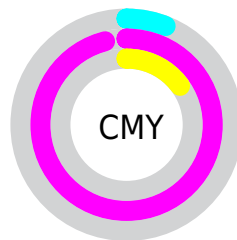
- Red (94%)
- Green (4%)
- Blue (85%)



- Red (94%)
- Yellow (4%)
- Blue (85%)



- Cyan (0%)
- Magenta (96%)
- Yellow (10%)
- Black (6%)




- Cyan (6%)
- Magenta (96%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7521, 0.3469, 0.1697 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 23.7521, 0.3469, 0.1697 by changing the saturation by 10% instead.


 23.7521, 0.3469,
0.1697


 23.7521, 0.3469,
0.1697


271.5648, 0.3335,
0.2438


 15.1498, 0.3490,
0.1534


 49.6254, 0.3429,
0.1951

 8.9246, 0.3511,
0.1337


 67.6651, 0.3412,
0.2051


 4.6920, 0.3526,
0.1101


 89.6195, 0.3396,
0.2137

 2.0677, 0.3527,
0.0817

 115.8730, 0.3381,
0.2213

 0.6464, 0.3494,
0.0475

 146.8098, 0.3368,
0.2279

 0.0000, 0.3406,
0.0000

182.8145, 0.3356,

 0.0000, 0.2942,

0.2338

0.0000

224.2713, 0.3345,
0.2391

■ 0.0000, 0.0000,
0.0000

■ 23.7521, 0.3469,
0.1697

■ 23.7521, 0.3469,
0.1697

■ 23.4713, 0.3483,
0.1692

■ 24.8229, 0.3435,
0.1728

■ 26.8529, 0.3398,
0.1803

■ 30.0136, 0.3359,
0.1922

■ 34.4432, 0.3319,
0.2081

■ 40.2598, 0.3279,
0.2272

■ 47.5684, 0.3241,
0.2485

■ 56.4635, 0.3205,
0.2711

■ 67.0320, 0.3172,
0.2940

■ 79.3546, 0.3142,
0.3166

Harmonies

Analogous

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



23.7521, 0.1981, 0.1280



23.7521, 0.3469, 0.1697



23.7521, 0.5296, 0.2382

Triad

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



23.7521, 0.3469, 0.1697



23.7521, 0.4764, 0.5236



23.7521, 0.0780, 0.2166

Complementary

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



23.7521, 0.3469, 0.1697



62.4719, 0.2980, 0.5899

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.



23.7521, 0.1156, 0.3999



23.7521, 0.3469, 0.1697



23.7521, 0.3399, 0.6399

Square

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



23.7521, 0.3469, 0.1697



23.7521, 0.5874, 0.4051



23.7521, 0.2117, 0.6245



23.7521, 0.0809, 0.1391

Rectangle

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



23.7521, 0.3469, 0.1697



23.7521, 0.6086, 0.2896



23.7521, 0.2117, 0.6245



23.7521, 0.0850, 0.2637

Sweetspot

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



23.7533, 0.3469, 0.1697



61.0805, 0.3217, 0.2632



6.8463, 0.1552, 0.0645



12.1488, 0.3232, 0.2535



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.



23.7533, 0.3469, 0.1697



26.9438, 0.3484, 0.1693



19.7090, 0.5297, 0.2716



16.0025, 0.3153, 0.3080



12.8657, 0.3478, 0.1690



1.0781, 0.3438, 0.1668

Inverse Universe

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



23.7533, 0.3469, 0.1697



26.9438, 0.3484, 0.1693



64.5029, 0.2622, 0.4616



16.0025, 0.3153, 0.3080



12.8657, 0.3478, 0.1690



1.0781, 0.3438, 0.1668

Previews

White Background



This preview shows how the Yxy color 23.7521, 0.3469, 0.1697 looks on a white background.

Color Contrast Check

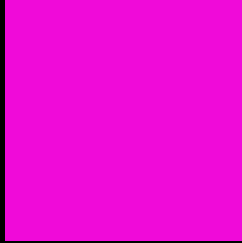
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7521, 0.3469, 0.1697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

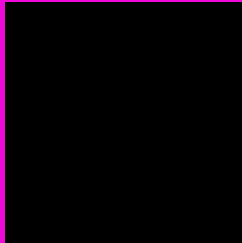
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7521, 0.3469, 0.1697

Background



This preview shows how black text looks on a background with the Yxy color 23.7521, 0.3469, 0.1697.



This preview shows how white text looks on a background with the Yxy color 23.7521, 0.3469, 0.1697.

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

23.7521, 0.3469, 0.1697

Protanopia

24.5426, 0.1877, 0.1629

Deuteranopia

24.2346, 0.2272, 0.2211



Tritanopia

23.9049, 0.5051, 0.3245

Trichromacy



Original Color

23.7521, 0.3469, 0.1697



Protanomaly

17.7565, 0.2150, 0.1354



Deuteranomaly

18.4236, 0.2575, 0.1693



Tritanomaly

22.0899, 0.4508, 0.2530

Monochromacy



Original Color

23.7521, 0.3469, 0.1697



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

13.0422, 0.3318, 0.2132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7521, 0.3469, 0.1697 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(240, 10, 217)` looks like.

```
.text, #text, p{  
    color:rgb(240, 10, 217)  
}
```

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(240, 10, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 10, 217) }
```

Border

The CSS property to change the border of an element to Yxy 23.7521, 0.3469, 0.1697 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(240, 10, 217) }
```

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

```
.border{ border-color:rgb(240, 10, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 10, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 10, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 10, 217);  
box-shadow:4px 4px 4px 4px rgb(240, 10,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7521, 0.3469, 0.1697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 10, 217) }
```

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

```
.background{ background-color: rgb(240, 10,  
217) }
```

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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