

Converting Colors

$Y_{xy}(22.8206, 0.3636, 0.1777)$

Have a look what the booklet for
Yxy(22.8206, 0.3636, 0.1777)
contains.

Yxy(22.8849, 0.3636, 0.1777)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.8849, 0.3636, 0.1777)

Conversions

Conversions Part 1

Format	Color
Hex	F000CC
RGB	240, 0, 204
RGB Percent	94%, 0%, 80%
CMY	0.0589, 0.9988, 0.2000
CMYK	0.00, 1.00, 0.15, 0.06
HSL	309°, 100%, 47%
HSV	309°, 100%, 94%
XYZ	46.8258, 22.8849, 59.0732
YIQ	95.0160, 77.5560, 114.3240

Conversions

Conversions Part 2

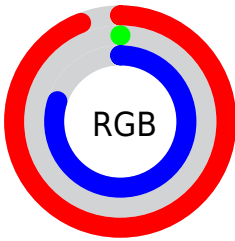
Format	Color
RYB	240, 0, 204
Decimal	15728844
CIELab	54.95, 89.06, -40.79
CIELCh	55, 97.959, 335.395
Yxy	22.8849, 0.3636, 0.1777
Android (android.graphics.Color)	4293918924 (0xFFFF00CC)
YUV	95.0160, 53.7291, 127.1510
Hunter-Lab	47.8382, 91.0058, -39.7278

Details

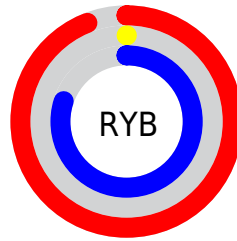
The Yxy color **22.8849, 0.3636, 0.1777** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **62.4331, 0.2970, 0.5890**, and the grayscale version is **11.3467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **11.7536, 0.3683, 0.1803** is the 20% darker color. If you saturate the color by 10%, you get **22.8770, 0.3637, 0.1777**, and if you desaturate by 10%, it is **23.7202, 0.3584, 0.1786**.

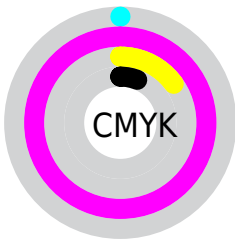
Distribution



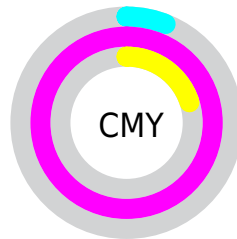
- Red (94%)
- Green (0%)
- Blue (80%)



- Red (94%)
- Yellow (0%)
- Blue (80%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8849, 0.3636, 0.1777 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 22.8849, 0.3636, 0.1777 by changing the saturation by 10% instead.


 22.8849, 0.3636,
0.1777


 22.8849, 0.3636,
0.1777

267.1333, 0.3407,
0.2495


 14.5085, 0.3684,
0.1614


 48.2043, 0.3559,
0.2026


 8.4752, 0.3739,
0.1417

 65.9161, 0.3529,
0.2123

 4.4005, 0.3803,
0.1175


 87.5085, 0.3502,
0.2207

 1.9000, 0.3871,
0.0878

 113.3658, 0.3478,
0.2280

 0.5484, 0.3943,
0.0493

 143.8726, 0.3457,
0.2344

 0.0000, 0.3996,
0.0000

179.4132, 0.3438,

 0.0000, 0.3624,

0.2400

0.0000

220.3719, 0.3422,
0.2450

■ 0.0000, 0.0000,
0.0000

■ 22.8849, 0.3636,
0.1777

■ 22.8849, 0.3636,
0.1777

■ 22.8770, 0.3637,
0.1777

■ 23.7202, 0.3584,
0.1786

■ 25.3721, 0.3529,
0.1835

■ 28.0900, 0.3471,
0.1930

■ 32.0236, 0.3412,
0.2068

■ 37.2986, 0.3355,
0.2240

■ 44.0250, 0.3300,
0.2437

■ 52.3015, 0.3249,
0.2649

■ 62.2181, 0.3203,
0.2867

■ 73.8578, 0.3162,
0.3083

Harmonies

Analogous

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



22.8849, 0.2112, 0.1333



22.8849, 0.3636, 0.1777



22.8849, 0.5395, 0.2474

Triad

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



22.8849, 0.3636, 0.1777



22.8849, 0.4644, 0.5356



22.8849, 0.0799, 0.2084

Complementary

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



22.8849, 0.3636, 0.1777



62.4331, 0.2970, 0.5890

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.



22.8849, 0.1132, 0.3768



22.8849, 0.3636, 0.1777



22.8849, 0.3294, 0.6414

Square

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



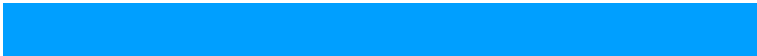
22.8849, 0.3636, 0.1777



22.8849, 0.5763, 0.4165



22.8849, 0.2038, 0.6021



22.8849, 0.0855, 0.1382

Rectangle

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



22.8849, 0.3636, 0.1777



22.8849, 0.6090, 0.2989



22.8849, 0.2038, 0.6021



22.8849, 0.0857, 0.2512

Sweetspot

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



22.8861, 0.3636, 0.1777



59.8025, 0.3250, 0.2644



6.6760, 0.1554, 0.0630



11.8959, 0.3271, 0.2553



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.



22.8861, 0.3636, 0.1777



26.2554, 0.3638, 0.1778



19.1697, 0.5615, 0.2867



15.9882, 0.3161, 0.3092



12.5427, 0.3629, 0.1773



1.0544, 0.3565, 0.1737

Inverse Universe

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



22.8861, 0.3636, 0.1777



26.2554, 0.3638, 0.1778



64.7073, 0.2583, 0.4497



15.9882, 0.3161, 0.3092



12.5427, 0.3629, 0.1773



1.0544, 0.3565, 0.1737

Previews

White Background



This preview shows how the Yxy color 22.8849, 0.3636, 0.1777 looks on a white background.

Color Contrast Check

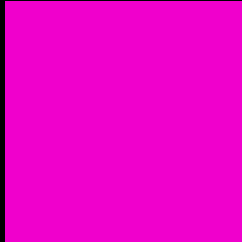
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8849, 0.3636, 0.1777 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 22.8849, 0.3636, 0.1777

Background



This preview shows how black text looks on a background with the Yxy color 22.8849, 0.3636, 0.1777.



This preview shows how white text looks on a background with the Yxy color 22.8849, 0.3636, 0.1777.

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

22.8849, 0.3636, 0.1777

Protanopia

23.8503, 0.1856, 0.1597

Deuteranopia

23.5791, 0.2403, 0.2352



Tritanopia

23.0512, 0.5188, 0.3248

Trichromacy



Original Color

22.8849, 0.3636, 0.1777



Protanomaly

16.4507, 0.2143, 0.1325



Deuteranomaly

17.4943, 0.2739, 0.1772



Tritanomaly

21.2498, 0.4694, 0.2578

Monochromacy



Original Color

22.8849, 0.3636, 0.1777



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.3827, 0.3393, 0.2116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8849, 0.3636, 0.1777 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, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 204)  
}
```

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, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 204) }
```

Border

The CSS property to change the border of an element to Yxy 22.8849, 0.3636, 0.1777 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, 0, 204) }
```

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

```
.border{ border-color:rgb(240, 0, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 0, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8849, 0.3636, 0.1777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 204) }
```

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

```
.background{ background-color: rgb(240, 0,  
204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor