

Converting Colors

$Y_{xy}(22.8551, 0.3966, 0.1959)$

Have a look what the booklet for
Yxy(22.8551, 0.3966, 0.1959)
contains.

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Color

Yxy(22.8732, 0.3975, 0.1963)

Conversions

Conversions Part 1

Format	Color
Hex	F500B8
RGB	245, 0, 184
RGB Percent	96%, 0%, 72%
CMY	0.0391, 1.0000, 0.2784
CMYK	0.00, 1.00, 0.25, 0.04
HSL	315°, 100%, 48%
HSV	315°, 100%, 96%
XYZ	46.3174, 22.8732, 47.3311
YIQ	94.2310, 86.9560, 109.1640

Conversions

Conversions Part 2

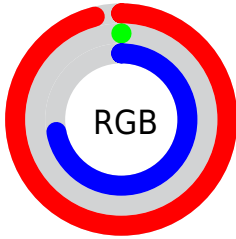
Format	Color
RYB	245, 0, 184
Decimal	16056504
CIELab	54.94, 87.68, -29.19
CIElCh	55, 92.413, 341.586
Yxy	22.8732, 0.3975, 0.1963
Android (android.graphics.Color)	4294246584 (0xFFFF500B8)
YUV	94.2310, 44.2561, 132.2244
Hunter-Lab	47.8259, 89.1742, -25.1984

Details

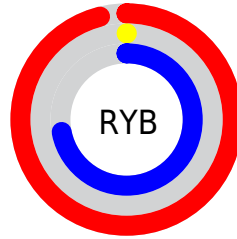
The Yxy color **22.8732, 0.3975, 0.1963** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **65.6606, 0.2926, 0.5735**, and the grayscale version is **11.1315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6656, 0.3335, 0.1988**, and **11.7060, 0.4086, 0.2025** is the 20% darker color. If you saturate the color by 10%, you get **22.8795, 0.3975, 0.1963**, and if you desaturate by 10%, it is **23.8152, 0.3878, 0.1952**.

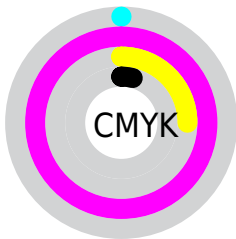
Distribution



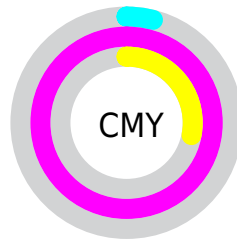
- Red (96%)
- Green (0%)
- Blue (72%)



- Red (96%)
- Yellow (0%)
- Blue (72%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (4%)




- Cyan (4%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8732, 0.3975, 0.1963 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 22.8732, 0.3975, 0.1963 by changing the saturation by 10% instead.


 22.8732, 0.3975,
0.1963


 22.8732, 0.3975,
0.1963


267.0731, 0.3548,
0.2612


 14.4999, 0.4080,
0.1809


 48.1850, 0.3820,
0.2194


 8.4692, 0.4214,
0.1618

 65.8924, 0.3762,
0.2282


 4.3966, 0.4389,
0.1377


 87.4798, 0.3713,
0.2357

 1.8978, 0.4623,
0.1068

 113.3318, 0.3670,
0.2422

 0.5471, 0.4970,
0.0635

 143.8328, 0.3634,
0.2479

 0.0000, 0.5524,
0.0000

179.3670, 0.3602,

 0.0000, 0.7112,

0.2529

0.0000

220.3190, 0.3573,
0.2573

■ 0.0000, 0.0000,
0.0000

■ 22.8732, 0.3975,
0.1963

■ 22.8732, 0.3975,
0.1963

■ 22.8795, 0.3975,
0.1963

■ 23.8152, 0.3878,
0.1952

■ 25.6108, 0.3777,
0.1984

■ 28.5299, 0.3674,
0.2064

■ 32.7307, 0.3573,
0.2187

■ 38.3459, 0.3477,
0.2344

■ 45.4918, 0.3389,
0.2523

■ 54.2723, 0.3310,
0.2715

■ 64.7825, 0.3240,
0.2911

■ 77.1098, 0.3179,
0.3104

Harmonies

Analogous

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



22.8732, 0.2412, 0.1466



22.8732, 0.3975, 0.1963



22.8732, 0.5542, 0.2678

Triad

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



22.8732, 0.3975, 0.1963



22.8732, 0.4375, 0.5554



22.8732, 0.0860, 0.1951

Complementary

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



22.8732, 0.3975, 0.1963



65.6606, 0.2926, 0.5735

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.



22.8732, 0.1107, 0.3339



22.8732, 0.3975, 0.1963



22.8732, 0.3083, 0.6349

Square

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



22.8732, 0.3975, 0.1963



22.8732, 0.5502, 0.4403



22.8732, 0.1889, 0.5478



22.8732, 0.0975, 0.1386

Rectangle

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



22.8732, 0.3975, 0.1963



22.8732, 0.6038, 0.3195



22.8732, 0.1889, 0.5478



22.8732, 0.0895, 0.2299

Sweetspot

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



22.8795, 0.3975, 0.1963



59.3534, 0.3310, 0.2714



7.4694, 0.1616, 0.0664



11.7876, 0.3343, 0.2632



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.



22.8795, 0.3975, 0.1963



25.0439, 0.3977, 0.1964



19.8037, 0.5918, 0.3034



16.6936, 0.3176, 0.3114



12.3454, 0.3960, 0.1955



1.1013, 0.3845, 0.1892

Inverse Universe

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



22.8795, 0.3975, 0.1963



25.0439, 0.3977, 0.1964



68.6062, 0.2498, 0.4194



16.6936, 0.3176, 0.3114



12.3454, 0.3960, 0.1955



1.1013, 0.3845, 0.1892

Previews

White Background



This preview shows how the Yxy color 22.8732, 0.3975, 0.1963 looks on a white background.

Color Contrast Check

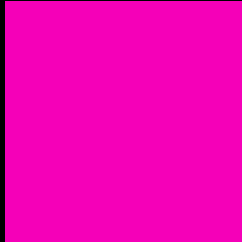
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8732, 0.3975, 0.1963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

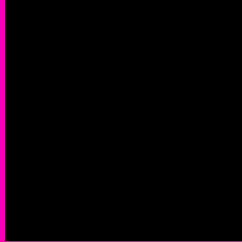
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8732, 0.3975, 0.1963

Background



This preview shows how black text looks on a background with the Yxy color 22.8732, 0.3975, 0.1963.



This preview shows how white text looks on a background with the Yxy color 22.8732, 0.3975, 0.1963.

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

22.8732, 0.3975, 0.1963

Protanopia

23.9126, 0.1861, 0.1600

Deuteranopia

23.5711, 0.2672, 0.2622



Tritanopia

23.2914, 0.5423, 0.3271

Trichromacy



Original Color

22.8732, 0.3975, 0.1963



Protanomaly

16.2809, 0.2204, 0.1377



Deuteranomaly

17.7561, 0.3097, 0.2015



Tritanomaly

21.7171, 0.4999, 0.2714

Monochromacy



Original Color

22.8732, 0.3975, 0.1963



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

11.1536, 0.3548, 0.2218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8732, 0.3975, 0.1963 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(245, 0, 184)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 184)  
}
```

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(245, 0, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 184) }
```

Border

The CSS property to change the border of an element to Yxy 22.8732, 0.3975, 0.1963 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(245, 0, 184) }
```

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

```
.border{ border-color:rgb(245, 0, 184) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8732, 0.3975, 0.1963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 184) }
```

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

```
.background{ background-color: rgb(245, 0,  
184) }
```

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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