

Converting Colors

$Y_{xy}(22.8049, 0.3557, 0.1733)$

Have a look what the booklet for
Yxy(22.8049, 0.3557, 0.1733)
contains.

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Color

Yxy(22.7806, 0.3548, 0.1728)

Conversions

Conversions Part 1

Format	Color
Hex	EE00D1
RGB	238, 0, 209
RGB Percent	93%, 0%, 82%
CMY	0.0666, 1.0000, 0.1802
CMYK	0.00, 1.00, 0.12, 0.07
HSL	307°, 100%, 47%
HSV	307°, 100%, 93%
XYZ	46.7741, 22.7806, 62.2775
YIQ	94.9880, 74.7590, 115.4550

Conversions

Conversions Part 2

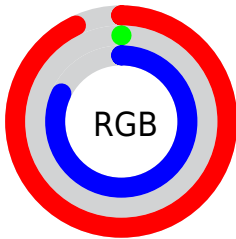
Format	Color
R _Y B	238, 0, 209
Decimal	15597777
CIE Lab	54.85, 89.38, -43.87
CIE LCh	55, 99.569, 333.858
Yxy	22.7806, 0.3548, 0.1728
Android (android.graphics.Color)	4293787857 (0xFFEE00D1)
YUV	94.9880, 56.2079, 125.4215
Hunter-Lab	47.7290, 91.4027, -43.9521

Details

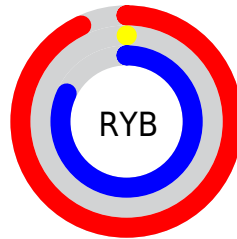
The Yxy color **22.7806, 0.3548, 0.1728** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **61.2425, 0.2979, 0.5923**, and the grayscale version is **11.2921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **11.6802, 0.3566, 0.1738** is the 20% darker color. If you saturate the color by 10%, you get **22.7839, 0.3548, 0.1728**, and if you desaturate by 10%, it is **23.5738, 0.3507, 0.1742**.

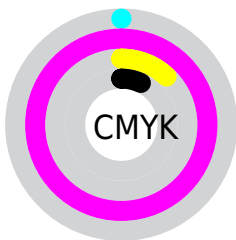
Distribution



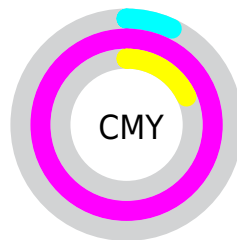
- Red (93%)
- Green (0%)
- Blue (82%)



- Red (93%)
- Yellow (0%)
- Blue (82%)



- Cyan (0%)
- Magenta (100%)
- Yellow (12%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7806, 0.3548, 0.1728 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 22.7806, 0.3548, 0.1728 by changing the saturation by 10% instead.


 22.7806, 0.3548,
0.1728


 22.7806, 0.3548,
0.1728


266.5961, 0.3369,
0.2464


 14.4316, 0.3582,
0.1563


 48.0328, 0.3491,
0.1982

 8.4214, 0.3618,
0.1364


 65.7048, 0.3467,
0.2082


 4.3658, 0.3655,
0.1122


 87.2533, 0.3446,
0.2167

 1.8802, 0.3685,
0.0829

 113.0626, 0.3427,
0.2242

 0.5364, 0.3700,
0.0453

 143.5171, 0.3410,
0.2308

 0.0000, 0.3652,
0.0000

179.0013, 0.3395,

 0.0000, 0.3167,

0.2366

0.0000

219.8995, 0.3381,
0.2417

■ 0.0000, 0.0000,
0.0000

■ 22.7806, 0.3548,
0.1728

■ 22.7806, 0.3548,
0.1728

■ 22.7839, 0.3548,
0.1728

■ 23.5738, 0.3507,
0.1742

■ 25.1577, 0.3463,
0.1795

■ 27.7842, 0.3417,
0.1893

■ 31.6002, 0.3369,
0.2033

■ 36.7292, 0.3322,
0.2208

■ 43.2791, 0.3276,
0.2409

■ 51.3467, 0.3233,
0.2627

■ 61.0203, 0.3194,
0.2851

■ 72.3815, 0.3158,
0.3074

Harmonies

Analogous

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



22.7806, 0.2036, 0.1298



22.7806, 0.3548, 0.1728



22.7806, 0.5355, 0.2420

Triad

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



22.7806, 0.3548, 0.1728



22.7806, 0.4707, 0.5293



22.7806, 0.0781, 0.2120

Complementary

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



22.7806, 0.3548, 0.1728



61.2425, 0.2979, 0.5923

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.



22.7806, 0.1136, 0.3891



22.7806, 0.3548, 0.1728



22.7806, 0.3345, 0.6421

Square

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



22.7806, 0.3548, 0.1728



22.7806, 0.5833, 0.4102



22.7806, 0.2072, 0.6162



22.7806, 0.0823, 0.1379

Rectangle

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



22.7806, 0.3548, 0.1728



22.7806, 0.6103, 0.2935



22.7806, 0.2072, 0.6162



22.7806, 0.0845, 0.2572

Sweetspot

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



22.7839, 0.3548, 0.1728



59.9348, 0.3233, 0.2624



6.4172, 0.1535, 0.0619



11.9279, 0.3251, 0.2531



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.



22.7839, 0.3548, 0.1728



26.6397, 0.3549, 0.1729



18.9380, 0.5485, 0.2795



15.9963, 0.3157, 0.3085



12.7231, 0.3542, 0.1725



1.0677, 0.3492, 0.1697

Inverse Universe

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



22.7839, 0.3548, 0.1728



26.6397, 0.3549, 0.1729



63.2534, 0.2617, 0.4620



15.9963, 0.3157, 0.3085



12.7231, 0.3542, 0.1725



1.0677, 0.3492, 0.1697

Previews

White Background



This preview shows how the Yxy color 22.7806, 0.3548, 0.1728 looks on a white background.

Color Contrast Check

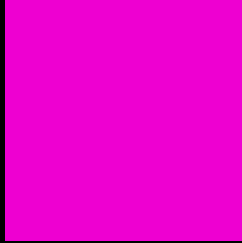
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7806, 0.3548, 0.1728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

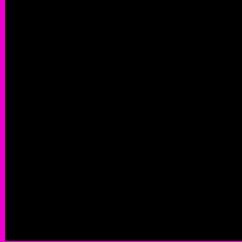
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7806, 0.3548, 0.1728

Background



This preview shows how black text looks on a background with the Yxy color 22.7806, 0.3548, 0.1728.



This preview shows how white text looks on a background with the Yxy color 22.7806, 0.3548, 0.1728.

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

22.7806, 0.3548, 0.1728

Protanopia

23.8201, 0.1853, 0.1596

Deuteranopia

23.4913, 0.2334, 0.2280



Tritanopia

23.0536, 0.5128, 0.3246

Trichromacy



Original Color

22.7806, 0.3548, 0.1728



Protanomaly

16.4186, 0.2118, 0.1306



Deuteranomaly

17.3300, 0.2649, 0.1710



Tritanomaly

21.0836, 0.4618, 0.2544

Monochromacy



Original Color

22.7806, 0.3548, 0.1728



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.2123, 0.3362, 0.2084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7806, 0.3548, 0.1728 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(238, 0, 209)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 209)  
}
```

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(238, 0, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 209) }
```

Border

The CSS property to change the border of an element to Yxy 22.7806, 0.3548, 0.1728 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(238, 0, 209) }
```

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

```
.border{ border-color:rgb(238, 0, 209) }
```

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

Here you see how a box with a 4 pixel rgb(238, 0, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 209);  
box-shadow:4px 4px 4px 4px rgb(238, 0,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7806, 0.3548, 0.1728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 209) }
```

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

```
.background{ background-color: rgb(238, 0,  
209) }
```

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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