

Converting Colors

$Y_{xy}(22.7758, 0.3252, 0.1565)$

Have a look what the booklet for
Yxy(22.7758, 0.3252, 0.1565)
contains.

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Color

Yxy(22.7572, 0.3253, 0.1566)

Conversions

Conversions Part 1

Format	Color
Hex	E800E4
RGB	232, 0, 228
RGB Percent	91%, 0%, 89%
CMY	0.0903, 0.9987, 0.1059
CMYK	0.00, 1.00, 0.02, 0.09
HSL	301°, 100%, 46%
HSV	301°, 100%, 91%
XYZ	47.2728, 22.7572, 75.2906
YIQ	95.3600, 65.0840, 120.0920

Conversions

Conversions Part 2

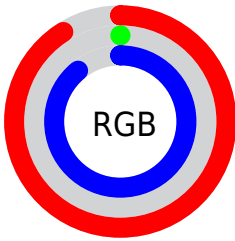
Format	Color
R _Y B	232, 0, 228
Decimal	15204580
CIE Lab	54.82, 90.89, -54.75
CIE LCh	55, 106.104, 328.934
Yxy	22.7572, 0.3253, 0.1566
Android (android.graphics.Color)	4293394660 (0xFFE800E4)
YUV	95.3600, 65.3915, 119.8333
Hunter-Lab	47.7045, 93.4017, -60.1825

Details

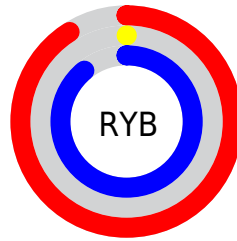
The Yxy color **22.7572, 0.3253, 0.1566** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **57.7067, 0.2998, 0.5991**, and the grayscale version is **11.4088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **11.6365, 0.3195, 0.1534** is the 20% darker color. If you saturate the color by 10%, you get **22.7509, 0.3253, 0.1566**, and if you desaturate by 10%, it is **23.4071, 0.3247, 0.1595**.

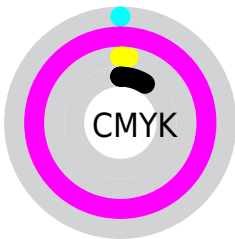
Distribution



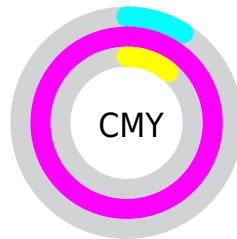
- Red (91%)
- Green (0%)
- Blue (89%)



- Red (91%)
- Yellow (0%)
- Blue (89%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7572, 0.3253, 0.1566 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 22.7572, 0.3253, 0.1566 by changing the saturation by 10% instead.


 22.7572, 0.3253,
0.1566

 22.7572, 0.3253,
0.1566


266.4755, 0.3240,
0.2356


 14.4143, 0.3242,
0.1396


 47.9943, 0.3260,
0.1833


 8.4094, 0.3219,
0.1196


 65.6574, 0.3259,
0.1939

 4.3580, 0.3177,
0.0958


 87.1960, 0.3257,
0.2032

 1.8758, 0.3098,
0.0682

 112.9945, 0.3254,
0.2113

 0.5338, 0.2957,
0.0352

 143.4373, 0.3251,
0.2184

 0.0000, 0.2687,
0.0000

178.9088, 0.3247,

 0.0000, 0.2049,

0.2248

0.0000

219.7934, 0.3244,
0.2305

■ 0.0000, 0.0000,
0.0000

■ 22.7572, 0.3253,
0.1566

■ 22.7572, 0.3253,
0.1566

■ 22.7509, 0.3253,
0.1566

■ 23.4071, 0.3247,
0.1595

■ 24.8063, 0.3239,
0.1660

■ 27.1878, 0.3228,
0.1769

■ 30.6889, 0.3216,
0.1920

■ 35.4250, 0.3202,
0.2107

■ 41.4975, 0.3187,
0.2324

■ 48.9969, 0.3172,
0.2560

■ 58.0061, 0.3156,
0.2806

■ 68.6015, 0.3141,
0.3052

Harmonies

Analogous

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



22.7572, 0.1792, 0.1183



22.7572, 0.3253, 0.1566



22.7572, 0.5205, 0.2238

Triad

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



22.7572, 0.3253, 0.1566



22.7572, 0.4921, 0.5079



22.7572, 0.0721, 0.2252

Complementary

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



22.7572, 0.3253, 0.1566



57.7067, 0.2998, 0.5991

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.



22.7572, 0.1147, 0.4346



22.7572, 0.3253, 0.1566



22.7572, 0.3525, 0.6443

Square

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



22.7572, 0.3253, 0.1566



22.7572, 0.6066, 0.3891



22.7572, 0.2177, 0.6614



22.7572, 0.0719, 0.1369

Rectangle

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



22.7572, 0.3253, 0.1566



22.7572, 0.6138, 0.2753



22.7572, 0.2177, 0.6614



22.7572, 0.0803, 0.2792

Sweetspot

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



22.7583, 0.3253, 0.1566



60.4358, 0.3172, 0.2553



5.8585, 0.1504, 0.0603



12.0497, 0.3179, 0.2451



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.



22.7583, 0.3253, 0.1566



28.2010, 0.3253, 0.1566



18.3338, 0.5058, 0.2561



14.6107, 0.3141, 0.3062



12.6364, 0.3252, 0.1565



0.9352, 0.3246, 0.1562

Inverse Universe

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



22.7583, 0.3253, 0.1566



28.2010, 0.3253, 0.1566



59.0535, 0.2715, 0.4972



14.6107, 0.3141, 0.3062



12.6364, 0.3252, 0.1565



0.9352, 0.3246, 0.1562

Previews

White Background



This preview shows how the Yxy color 22.7572, 0.3253, 0.1566 looks on a white background.

Color Contrast Check

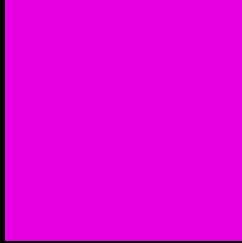
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7572, 0.3253, 0.1566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

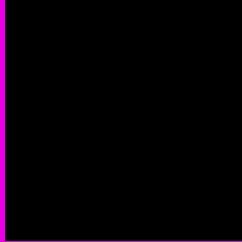
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7572, 0.3253, 0.1566

Background



This preview shows how black text looks on a background with the Yxy color 22.7572, 0.3253, 0.1566.



This preview shows how white text looks on a background with the Yxy color 22.7572, 0.3253, 0.1566.

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

22.7572, 0.3253, 0.1566

Protanopia

23.7904, 0.1850, 0.1595

Deuteranopia

23.4691, 0.2105, 0.2051



Tritanopia

23.0440, 0.4869, 0.3240

Trichromacy



Original Color

22.7572, 0.3253, 0.1566



Protanomaly

16.6921, 0.2071, 0.1262



Deuteranomaly

16.9298, 0.2349, 0.1509



Tritanomaly

20.5974, 0.4312, 0.2410

Monochromacy



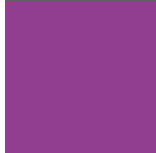
Original Color

22.7572, 0.3253, 0.1566



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.3708, 0.3204, 0.1982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7572, 0.3253, 0.1566 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(232, 0, 228)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 228)  
}
```

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(232, 0, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 228) }
```

Border

The CSS property to change the border of an element to Yxy 22.7572, 0.3253, 0.1566 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(232, 0, 228) }
```

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

```
.border{ border-color:rgb(232, 0, 228) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 228);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7572, 0.3253, 0.1566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 228) }
```

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

```
.background{ background-color: rgb(232, 0,  
228) }
```

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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