

Converting Colors

$Y_{xy}(22.7006, 0.3246, 0.1592)$

Have a look what the booklet for
Yxy(22.7006, 0.3246, 0.1592)
contains.

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Color

Yxy(22.7228, 0.3241, 0.1590)

Conversions

Conversions Part 1

Format	Color
Hex	E516E2
RGB	229, 22, 226
RGB Percent	90%, 9%, 89%
CMY	0.1021, 0.9130, 0.1139
CMYK	0.00, 0.90, 0.01, 0.10
HSL	301°, 82%, 49%
HSV	301°, 90%, 90%
XYZ	46.3174, 22.7228, 73.8705
YIQ	107.1490, 57.8880, 107.3280

Conversions

Conversions Part 2

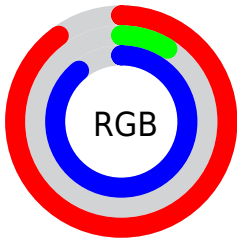
Format	Color
R _{YB}	229, 22, 226
Decimal	15013602
CIE _{Lab}	54.79, 88.35, -53.69
CIE _{LCh}	55, 103.390, 328.712
Yxy	22.7228, 0.3241, 0.1590
Android (android.graphics.Color)	4293203682 (0xFFE516E2)
YUV	107.1490, 58.5935, 106.8633
Hunter-Lab	47.6684, 90.0209, -58.5123

Details

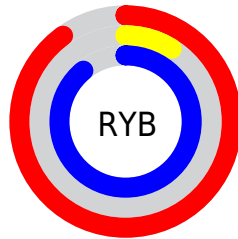
The Yxy color **22.7228, 0.3241, 0.1590** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **56.2687, 0.3000, 0.5918**, and the grayscale version is **14.5971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3806, 0.3192, 0.1907**, and **11.3373, 0.3195, 0.1534** is the 20% darker color. If you saturate the color by 10%, you get **22.1253, 0.3246, 0.1562**, and if you desaturate by 10%, it is **24.0443, 0.3234, 0.1654**.

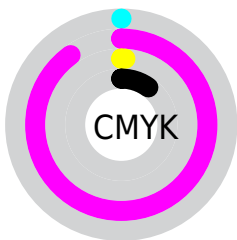
Distribution



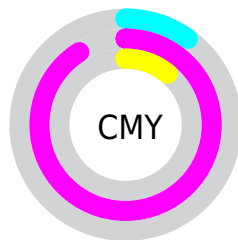
- Red (90%)
- Green (9%)
- Blue (89%)



- Red (90%)
- Yellow (9%)
- Blue (89%)



- Cyan (0%)
- Magenta (90%)
- Yellow (1%)
- Black (10%)




- Cyan (10%)
- Magenta (91%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7228, 0.3241, 0.1590 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 22.7228, 0.3241, 0.1590 by changing the saturation by 10% instead.


 22.7228, 0.3241,
0.1590

 22.7228, 0.3241,
0.1590


266.2980, 0.3233,
0.2373


 14.3890, 0.3229,
0.1421


 47.9378, 0.3249,
0.1856


 8.3917, 0.3205,
0.1220


 65.5877, 0.3249,
0.1961

 4.3466, 0.3162,
0.0981


 87.1117, 0.3247,
0.2053

 1.8693, 0.3082,
0.0701

 112.8943, 0.3245,
0.2133

 0.5298, 0.2938,
0.0363

 143.3199, 0.3242,
0.2204

 0.0000, 0.2661,
0.0000

178.7727, 0.3239,

 0.0000, 0.1967,

0.2267

0.0000

219.6373, 0.3236,
0.2323

■ 0.0000, 0.0000,
0.0000

■ 22.7228, 0.3241,
0.1590

■ 22.7228, 0.3241,
0.1590

■ 22.1253, 0.3246,
0.1562

■ 24.0443, 0.3234,
0.1654

■ 26.3113, 0.3224,
0.1761

■ 29.6591, 0.3213,
0.1910

■ 34.2001, 0.3200,
0.2096

■ 40.0329, 0.3186,
0.2312

■ 47.2458, 0.3171,
0.2548

■ 55.9192, 0.3156,
0.2794

■ 66.1275, 0.3141,
0.3041

■ 77.9399, 0.3128,
0.3283

Harmonies

Analogous

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



22.7228, 0.1809, 0.1211



22.7228, 0.3241, 0.1590



22.7228, 0.5145, 0.2256

Triad

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



22.7228, 0.3241, 0.1590



22.7228, 0.4930, 0.5070



22.7228, 0.0756, 0.2292

Complementary

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



22.7228, 0.3241, 0.1590



56.2687, 0.3000, 0.5918

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.



22.7228, 0.1193, 0.4343



22.7228, 0.3241, 0.1590



22.7228, 0.3554, 0.6372

Square

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



22.7228, 0.3241, 0.1590



22.7228, 0.6027, 0.3899



22.7228, 0.2224, 0.6527



22.7228, 0.0748, 0.1406

Rectangle

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



22.7228, 0.3241, 0.1590



22.7228, 0.6066, 0.2769



22.7228, 0.2224, 0.6527



22.7228, 0.0841, 0.2827

Sweetspot

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



22.7239, 0.3241, 0.1590



63.5967, 0.3166, 0.2625



6.4093, 0.1542, 0.0669



12.8483, 0.3171, 0.2541



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.



22.7239, 0.3241, 0.1590



28.2432, 0.3247, 0.1562



18.7303, 0.4758, 0.2453



14.6114, 0.3140, 0.3062



12.6549, 0.3246, 0.1562



0.9363, 0.3240, 0.1559

Inverse Universe

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



22.7239, 0.3241, 0.1590



28.2432, 0.3247, 0.1562



57.6932, 0.2700, 0.4855



14.6114, 0.3140, 0.3062



12.6549, 0.3246, 0.1562



0.9363, 0.3240, 0.1559

Previews

White Background



This preview shows how the Yxy color 22.7228, 0.3241, 0.1590 looks on a white background.

Color Contrast Check

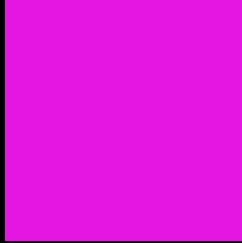
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7228, 0.3241, 0.1590 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 22.7228, 0.3241, 0.1590

Background



This preview shows how black text looks on a background with the Yxy color 22.7228, 0.3241, 0.1590.



This preview shows how white text looks on a background with the Yxy color 22.7228, 0.3241, 0.1590.

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

22.7228, 0.3241, 0.1590

Protanopia

23.4426, 0.1839, 0.1579

Deuteranopia

23.1914, 0.2111, 0.2047



Tritanopia

22.6039, 0.4824, 0.3227

Trichromacy



Original Color

22.7228, 0.3241, 0.1590



Protanomaly

17.6955, 0.2069, 0.1333



Deuteranomaly

18.0346, 0.2367, 0.1593



Tritanomaly

20.9794, 0.4255, 0.2455

Monochromacy



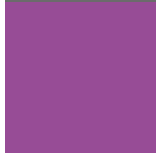
Original Color

22.7228, 0.3241, 0.1590



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

13.9502, 0.3196, 0.2138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7228, 0.3241, 0.1590 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(229, 22, 226)` looks like.

```
.text, #text, p{  
    color:rgb(229, 22, 226)  
}
```

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(229, 22, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 22, 226) }
```

Border

The CSS property to change the border of an element to Yxy 22.7228, 0.3241, 0.1590 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(229, 22, 226) }
```

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

```
.border{ border-color:rgb(229, 22, 226) }
```

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

Here you see how a box with a 4 pixel rgb(229, 22, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 22, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 22, 226);  
box-shadow:4px 4px 4px 4px rgb(229, 22,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7228, 0.3241, 0.1590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 22, 226) }
```

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

```
.background{ background-color: rgb(229, 22,  
226) }
```

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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