

Converting Colors

$Y_{xy}(22.6867, 0.2975, 0.1413)$

Have a look what the booklet for
Yxy(22.6867, 0.2975, 0.1413)
contains.

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Color

Yxy(22.7230, 0.2982, 0.1416)

Conversions

Conversions Part 1

Format	Color
Hex	E100F7
RGB	225, 0, 247
RGB Percent	88%, 0%, 97%
CMY	0.1175, 1.0000, 0.0312
CMYK	0.09, 1.00, 0.00, 0.03
HSL	295°, 100%, 48%
HSV	295°, 100%, 97%
XYZ	47.8531, 22.7230, 89.8971
YIQ	95.4330, 54.8130, 124.5170

Conversions

Conversions Part 2

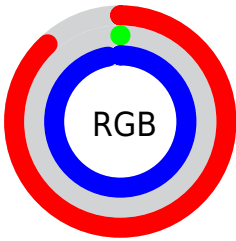
Format	Color
R_{YB}	225, 0, 247
Decimal	14745847
CIE _{Lab}	54.79, 92.65, -65.58
CIE _{LCh}	55, 113.515, 324.709
Yxy	22.7230, 0.2982, 0.1416
Android (android.graphics.Color)	4292935927 (0xFFE100F7)
YUV	95.4330, 74.7225, 113.6303
Hunter-Lab	47.6686, 95.7706, -78.4454

Details

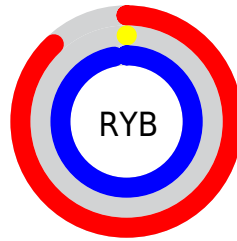
The Yxy color **22.7230, 0.2982, 0.1416** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **66.7209, 0.3016, 0.5987**, and the grayscale version is **11.3645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5943, 0.3193, 0.1880**, and **11.6102, 0.2865, 0.1352** is the 20% darker color. If you saturate the color by 10%, you get **22.7314, 0.2982, 0.1416**, and if you desaturate by 10%, it is **23.7702, 0.3005, 0.1461**.

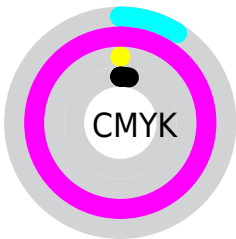
Distribution



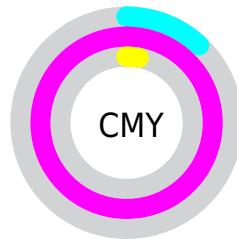
- Red (88%)
- Green (0%)
- Blue (97%)



- Red (88%)
- Yellow (0%)
- Blue (97%)



- Cyan (9%)
- Magenta (100%)
- Yellow (0%)
- Black (3%)



- Cyan (12%)
- Magenta (100%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7230, 0.2982, 0.1416 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 22.7230, 0.2982, 0.1416 by changing the saturation by 10% instead.


 22.7230, 0.2982,
0.1416


 22.7230, 0.2982,
0.1416


266.2991, 0.3117,
0.2250


 14.3891, 0.2934,
0.1244


 47.9381, 0.3043,
0.1692


 8.3918, 0.2865,
0.1045


 65.5881, 0.3063,
0.1804


 4.3467, 0.2764,
0.0817


 87.1122, 0.3078,
0.1902

 1.8693, 0.2612,
0.0561

 112.8949, 0.3089,
0.1988

 0.5298, 0.2381,
0.0274

 143.3205, 0.3098,
0.2065

 0.0000, 0.2015,
0.0000


178.7735, 0.3106,


 0.0000, 0.1394,


0.2134


0.0000

219.6382, 0.3112,
0.2195


 0.0000, 0.0000,
0.0000

 22.7230, 0.2982,
0.1416


 22.7230, 0.2982,
0.1416


 22.7314, 0.2982,
0.1416

 23.7702, 0.3005,
0.1461

 25.6793, 0.3027,
0.1543

 28.7264, 0.3048,
0.1671

 33.0729, 0.3067,
0.1840

 38.8542, 0.3084,
0.2047

■ 46.1888, 0.3098,
0.2280

■ 55.1826, 0.3109,
0.2530

■ 65.9324, 0.3118,
0.2787

■ 78.5275, 0.3123,
0.3043

Harmonies

Analogous

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



22.7230, 0.1576, 0.1075



22.7230, 0.2982, 0.1416



22.7230, 0.5054, 0.2066

Triad

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



22.7230, 0.2982, 0.1416



22.7230, 0.5126, 0.4874



22.7230, 0.0658, 0.2385

Complementary

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



22.7230, 0.2982, 0.1416



66.7209, 0.3016, 0.5987

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.



22.7230, 0.1146, 0.4833



22.7230, 0.2982, 0.1416



22.7230, 0.3640, 0.6360

Square

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



22.7230, 0.2982, 0.1416



22.7230, 0.6290, 0.3690



22.7230, 0.2246, 0.6999



22.7230, 0.0622, 0.1354

Rectangle

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



22.7230, 0.2982, 0.1416



22.7230, 0.6167, 0.2580



22.7230, 0.2246, 0.6999



22.7230, 0.0754, 0.3025

Sweetspot

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



22.7314, 0.2982, 0.1416



59.2502, 0.3109, 0.2529



7.4010, 0.1515, 0.0654



11.7611, 0.3105, 0.2422



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.



22.7314, 0.2982, 0.1416



24.4225, 0.2982, 0.1416



21.9280, 0.4570, 0.2291



16.6888, 0.3124, 0.3056



12.0491, 0.2986, 0.1419



1.0806, 0.3016, 0.1435

Inverse Universe

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



19.8406, 0.6323, 0.3257



21.3207, 0.6325, 0.3258



67.4476, 0.2822, 0.5358



16.5065, 0.3280, 0.3269



10.4971, 0.6302, 0.3245



0.9306, 0.6087, 0.3127

Previews

White Background



This preview shows how the Yxy color 22.7230, 0.2982, 0.1416 looks on a white background.

Color Contrast Check

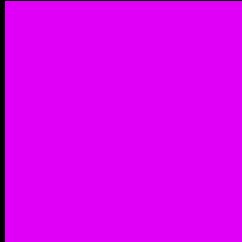
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7230, 0.2982, 0.1416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

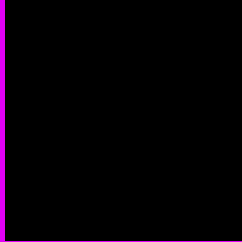
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7230, 0.2982, 0.1416

Background



This preview shows how black text looks on a background with the Yxy color 22.7230, 0.2982, 0.1416.



This preview shows how white text looks on a background with the Yxy color 22.7230, 0.2982, 0.1416.

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

22.7230, 0.2982, 0.1416

Protanopia

23.4706, 0.1841, 0.1580

Deuteranopia

23.4572, 0.1903, 0.1843



Tritanopia

22.9588, 0.4583, 0.3209

Trichromacy



Original Color

22.7230, 0.2982, 0.1416



Protanomaly

16.6950, 0.2012, 0.1206



Deuteranomaly

15.9909, 0.2040, 0.1300



Tritanomaly

20.1417, 0.3981, 0.2261

Monochromacy



Original Color

22.7230, 0.2982, 0.1416



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

11.1845, 0.3071, 0.1879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7230, 0.2982, 0.1416 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(225, 0, 247)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 247)  
}
```

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(225, 0, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 247) }
```

Border

The CSS property to change the border of an element to Yxy 22.7230, 0.2982, 0.1416 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(225, 0, 247) }
```

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

```
.border{ border-color:rgb(225, 0, 247) }
```

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

Here you see how a box with a 4 pixel rgb(225, 0, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 0, 247);  
box-shadow:4px 4px 4px 4px rgb(225, 0,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7230, 0.2982, 0.1416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 0, 247) }
```

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

```
.background{ background-color: rgb(225, 0,  
247) }
```

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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