

Converting Colors

$Y_{xy}(27.1001, 0.2910, 0.1547)$

Have a look what the booklet for
Yxy(27.1001, 0.2910, 0.1547)
contains.

Yxy(27.1240, 0.2912, 0.1547)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.1240, 0.2912, 0.1547)

Conversions

Conversions Part 1

Format	Color
Hex	E142FF
RGB	225, 66, 255
RGB Percent	88%, 26%, 100%
CMY	0.1175, 0.7413, 0.0000
CMYK	0.12, 0.74, 0.00, 0.00
HSL	290°, 100%, 63%
HSV	290°, 74%, 100%
XYZ	51.0569, 27.1240, 97.1520
YIQ	135.0870, 34.0950, 92.4870

Conversions

Conversions Part 2

Format	Color
R _Y B	225, 66, 255
Decimal	14762751
CIE _{Lab}	59.09, 82.79, -63.08
CIE _{LCh}	59, 104.084, 322.696
Y _{xy}	27.1240, 0.2912, 0.1547
Android (android.graphics.Color)	4292952831 (0xFFE142FF)
YUV	135.0870, 59.1171, 78.8537
Hunter-Lab	52.0807, 83.8499, -74.1438

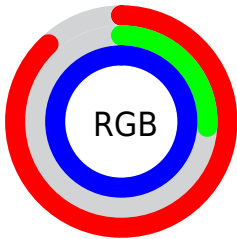
Details

The Yxy color **27.1240, 0.2912, 0.1547** is a light color, and the websafe version is hex **CC33FF**.

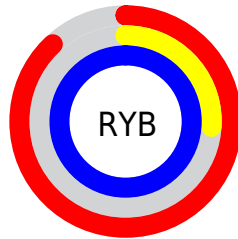
The color can be described as light washed magenta. A complement of this color would be **74.3958, 0.3118, 0.5582**, and the grayscale version is **24.0250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1805, 0.3183, 0.2095**, and **12.0306, 0.2800, 0.1316** is the 20% darker color. If you saturate the color by 10%, you get **24.1399, 0.2870, 0.1424**, and if you desaturate by 10%, it is **31.4521, 0.2953, 0.1715**.

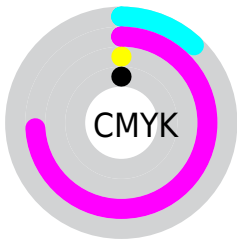
Distribution



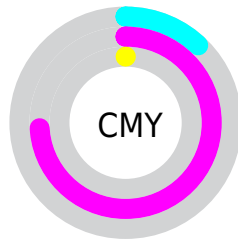
- Red (88%)
- Green (26%)
- Blue (100%)



- Red (88%)
- Yellow (26%)
- Blue (100%)



- Cyan (12%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)




- Cyan (12%)
- Magenta (74%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.1240, 0.2912, 0.1547 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 27.1240, 0.2912, 0.1547 by changing the saturation by 10% instead.


 27.1240, 0.2912,
0.1547


 27.1240, 0.2912,
0.1547

288.2570, 0.3070,
0.2322


 17.6664, 0.2862,
0.1386


 55.0828, 0.2978,
0.1804

 10.7107, 0.2793,
0.1198

 74.3527, 0.3001,
0.1908

 5.8727, 0.2695,
0.0978


 97.6622, 0.3019,
0.1999

 2.7678, 0.2552,
0.0725

 125.3957, 0.3033,
0.2079

 1.0117, 0.2335,
0.0446

 157.9375, 0.3045,
0.2150

 0.0000, 0.2033,
0.0000

195.6721, 0.3055,


 0.0000, 0.1475,


0.2213


0.0000


238.9838, 0.3063,
0.2270

 0.0000, 0.0000,
0.0000


 27.1240, 0.2912,
0.1547


 27.1240, 0.2912,
0.1547


 24.1399, 0.2870,
0.1424


 31.4521, 0.2953,
0.1715


 22.3046, 0.2828,
0.1347

 37.2775, 0.2991,
0.1921

 21.6033, 0.2803,
0.1318

 44.7362, 0.3026,
0.2157

 53.9480, 0.3057,
0.2411

 65.0215, 0.3083,
0.2674

 78.0562, 0.3104,
0.2935

 93.1448, 0.3121,
0.3189

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.1240, 0.1666, 0.1234



27.1240, 0.2912, 0.1547



27.1240, 0.4701, 0.2156

Triad

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



27.1240, 0.2912, 0.1547



27.1240, 0.5173, 0.4827



27.1240, 0.0875, 0.2646

Complementary

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



27.1240, 0.2912, 0.1547



74.3958, 0.3118, 0.5582

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.



27.1240, 0.1438, 0.4789



27.1240, 0.2912, 0.1547



27.1240, 0.3862, 0.6047

Square

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



27.1240, 0.2912, 0.1547



27.1240, 0.6067, 0.3742



27.1240, 0.2546, 0.6500



27.1240, 0.0788, 0.1589

Rectangle

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



27.1240, 0.2912, 0.1547



27.1240, 0.5727, 0.2658



27.1240, 0.2546, 0.6500



27.1240, 0.0997, 0.3245

Sweetspot

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



27.1251, 0.2912, 0.1547



67.6331, 0.3087, 0.2730



17.0133, 0.1781, 0.1231



13.7687, 0.3081, 0.2658



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.



27.1251, 0.2912, 0.1547



23.1167, 0.2849, 0.1381



28.9573, 0.3923, 0.2156



18.1460, 0.3112, 0.3054



11.3428, 0.2810, 0.1322



1.1418, 0.2858, 0.1348

Inverse Universe

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



25.9953, 0.5331, 0.3059



22.4633, 0.5915, 0.3120



74.2613, 0.2814, 0.4980



18.0340, 0.3269, 0.3253



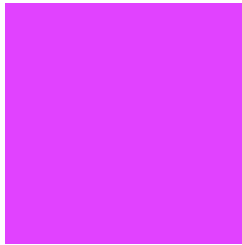
11.2042, 0.6180, 0.3178



1.1038, 0.5905, 0.3027

Previews

White Background



This preview shows how the Yxy color 27.1240, 0.2912, 0.1547 looks on a white background.

Color Contrast Check

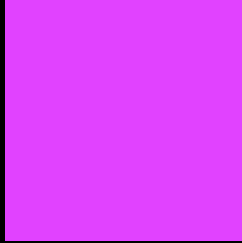
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1240, 0.2912, 0.1547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

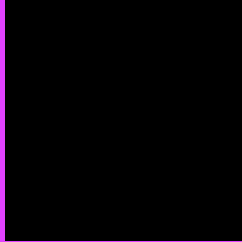
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1240, 0.2912, 0.1547

Background



This preview shows how black text looks on a background with the Yxy color 27.1240, 0.2912, 0.1547.



This preview shows how white text looks on a background with the Yxy color 27.1240, 0.2912, 0.1547.

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

27.1240, 0.2912, 0.1547

Protanopia

27.5701, 0.1973, 0.1758

Deuteranopia

27.6225, 0.1977, 0.1919



Tritanopia

26.8497, 0.4226, 0.3192

Trichromacy



Original Color

27.1240, 0.2912, 0.1547



Protanomaly

23.9592, 0.2180, 0.1543



Deuteranomaly

23.6418, 0.2164, 0.1617



Tritanomaly

25.7478, 0.3706, 0.2430

Monochromacy



Original Color

27.1240, 0.2912, 0.1547



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

22.7314, 0.3045, 0.2318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1240, 0.2912, 0.1547 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, 66, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 66, 255)  
}
```

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, 66, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 66, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.1240, 0.2912, 0.1547 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, 66, 255) }
```

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

```
.border{ border-color:rgb(225, 66, 255) }
```

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

Here you see how a box with a 4 pixel rgb(225, 66, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 66, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 66, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 66,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1240, 0.2912, 0.1547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 66, 255) }
```

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

```
.background{ background-color: rgb(225, 66,  
255) }
```

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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