

Converting Colors

$Y_{xy}(45.1014, 0.2991, 0.2178)$

Have a look what the booklet for
Yxy(45.1014, 0.2991, 0.2178)
contains.

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Color

Yxy(45.1014, 0.2991, 0.2178)

Conversions

Conversions Part 1

Format	Color
Hex	E992FF
RGB	233, 146, 255
RGB Percent	91%, 57%, 100%
CMY	0.0862, 0.4275, 0.0000
CMYK	0.09, 0.43, 0.00, 0.00
HSL	288°, 100%, 79%
HSV	288°, 43%, 100%
XYZ	61.9368, 45.1014, 100.0390
YIQ	184.4390, 16.8630, 52.3430

Conversions

Conversions Part 2

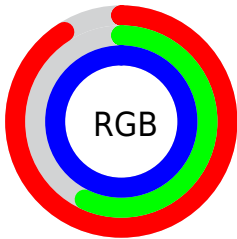
Format	Color
R _Y B	233, 146, 255
Decimal	15307519
CIE Lab	72.96, 50.04, -41.05
CIE LCh	73, 64.728, 320.635
Yxy	45.1014, 0.2991, 0.2178
Android (android.graphics.Color)	4293497599 (0xFFE992FF)
YUV	184.4390, 34.7866, 42.5880
Hunter-Lab	67.1576, 47.0977, -41.3090

Details

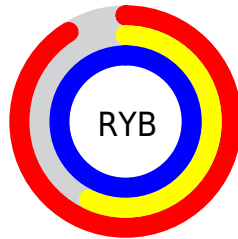
The Yxy color **45.1014, 0.2991, 0.2178** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.9090, 0.3189, 0.4576**, and the grayscale version is **47.9862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7211, 0.3151, 0.2772**, and **21.0199, 0.2927, 0.1935** is the 20% darker color. If you saturate the color by 10%, you get **37.2471, 0.2945, 0.1932**, and if you desaturate by 10%, it is **54.7376, 0.3032, 0.2440**.

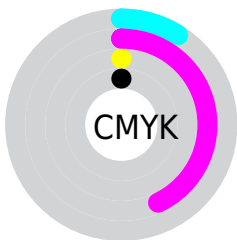
Distribution



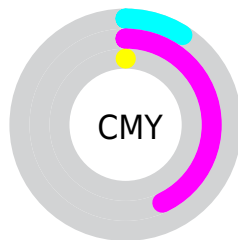
- Red (91%)
- Green (57%)
- Blue (100%)



- Red (91%)
- Yellow (57%)
- Blue (100%)



- Cyan (9%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1014, 0.2991, 0.2178 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 45.1014, 0.2991, 0.2178 by changing the saturation by 10% instead.


 45.1014, 0.2991,
0.2178


 45.1014, 0.2991,
0.2178


367.1841, 0.3076,
0.2680

 31.5373, 0.2967,
0.2068


 82.8726, 0.3025,
0.2349

 21.0083, 0.2934,
0.1935


 107.8484, 0.3036,
0.2416

 13.1301, 0.2888,
0.1772


137.3969, 0.3046,
0.2475

 7.5182, 0.2823,
0.1569

171.9026, 0.3054,
0.2526

 3.7882, 0.2723,
0.1310

211.7497, 0.3061,
0.2571

 1.5558, 0.2561,
0.0980

257.3228, 0.3067,

 0.3275, 0.2312,

0.2611

309.0061, 0.3071,
0.2647

0.0435

0.0000, 0.1638,
0.0000

0.0000, 0.0000,
0.0000

45.1014, 0.2991,
0.2178

45.1014, 0.2991,
0.2178

37.2471, 0.2945,
0.1932

54.7376, 0.3032,
0.2440

31.0509, 0.2894,
0.1712

66.2572, 0.3067,
0.2707

26.3820, 0.2841,
0.1529

79.7609, 0.3097,
0.2970

23.0873, 0.2786,
0.1391

95.3404, 0.3121,
0.3223

■ 20.9811, 0.2732,
0.1300

99.9993, 0.3127,
0.3290

■ 20.0002, 0.2694,
0.1258

Harmonies

Analogous

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



45.1014, 0.2223, 0.1966



45.1014, 0.2991, 0.2178



45.1014, 0.3932, 0.2606

Triad

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



45.1014, 0.2991, 0.2178



45.1014, 0.4587, 0.4450



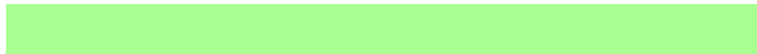
45.1014, 0.1763, 0.3108

Complementary

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



45.1014, 0.2991, 0.2178



81.9090, 0.3189, 0.4576

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.



45.1014, 0.2265, 0.4116



45.1014, 0.2991, 0.2178



45.1014, 0.3892, 0.4921

Square

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



45.1014, 0.2991, 0.2178



45.1014, 0.4917, 0.3813



45.1014, 0.3044, 0.4872



45.1014, 0.1605, 0.2371

Rectangle

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



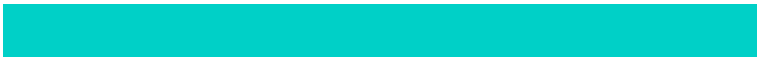
45.1014, 0.2991, 0.2178



45.1014, 0.4483, 0.2976



45.1014, 0.3044, 0.4872



45.1014, 0.1892, 0.3430

Sweetspot

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



45.1033, 0.2991, 0.2178



79.3977, 0.3096, 0.2964



41.9338, 0.2370, 0.2248



16.3213, 0.3090, 0.2906



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.



45.1033, 0.2991, 0.2178



38.4981, 0.2953, 0.1973



47.2021, 0.3448, 0.2505



18.1046, 0.3105, 0.3053



10.5164, 0.2702, 0.1262



1.0686, 0.2763, 0.1296

Inverse Universe

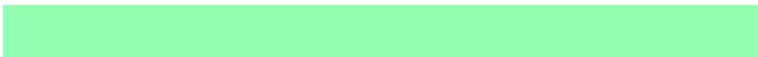
The Inverse Universe completely reimagines the original color for something new.



44.6402, 0.4018, 0.3062



38.1541, 0.4293, 0.3024



80.7932, 0.2915, 0.4241



18.0469, 0.3262, 0.3242



11.2523, 0.6076, 0.3121



1.1103, 0.5777, 0.2956

Previews

White Background



This preview shows how the Yxy color 45.1014, 0.2991, 0.2178 looks on a white background.

Color Contrast Check

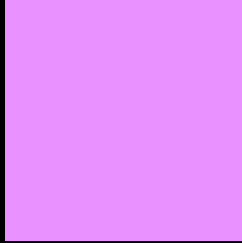
Large Text (above 18pt) WCAG AA × Fail

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 45.1014, 0.2991, 0.2178 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 ✓ Pass

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

Yxy 45.1014, 0.2991, 0.2178

Background



This preview shows how black text looks on a background with the Yxy color 45.1014, 0.2991, 0.2178.



This preview shows how white text looks on a background with the Yxy color 45.1014, 0.2991, 0.2178.

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

45.1014, 0.2991, 0.2178

Protanopia

45.5343, 0.2433, 0.2353

Deuteranopia

45.3518, 0.2478, 0.2415



Tritanopia

44.8586, 0.3572, 0.3138

Trichromacy



Original Color

45.1014, 0.2991, 0.2178



Protanomaly

44.5597, 0.2609, 0.2270



Deuteranomaly

44.4278, 0.2641, 0.2309

Tritanomaly

44.6905, 0.3347, 0.2748

Monochromacy



Original Color

45.1014, 0.2991, 0.2178



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

45.9592, 0.3080, 0.2811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1014, 0.2991, 0.2178 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(233, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 146, 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(233, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 146, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.1014, 0.2991, 0.2178 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(233, 146, 255) }
```

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

```
.border{ border-color:rgb(233, 146, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 146,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1014, 0.2991, 0.2178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 146, 255) }
```

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

```
.background{ background-color: rgb(233,  
146, 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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