

Converting Colors

$Yxy(44.8773, 0.2513, 0.2308)$

Have a look what the booklet for
Yxy(44.8773, 0.2513, 0.2308)
contains.

Yxy(45.0499, 0.2514, 0.2314)	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(45.0499, 0.2514, 0.2314)

Conversions

Conversions Part 1

Format	Color
Hex	A8ACFF
RGB	168, 172, 255
RGB Percent	66%, 67%, 100%
CMY	0.3412, 0.3254, 0.0001
CMYK	0.34, 0.33, 0.00, 0.00
HSL	237°, 100%, 83%
HSV	237°, 34%, 100%
XYZ	48.9436, 45.0499, 100.6906
YIQ	180.2660, -29.0270, 24.9650

Conversions

Conversions Part 2

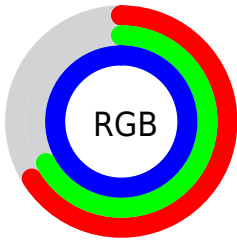
Format	Color
R _Y B	168, 172, 255
Decimal	11054335
CIE Lab	72.92, 17.47, -41.53
CIE LCh	73, 45.058, 292.810
Yxy	45.0499, 0.2514, 0.2314
Android (android.graphics.Color)	4289244415 (0xFFA8ACFF)
YUV	180.2660, 36.8439, -10.7573
Hunter-Lab	67.1192, 12.7042, -41.9620

Details

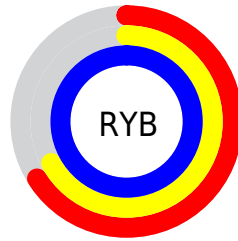
The Yxy color **45.0499, 0.2514, 0.2314** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.0342, 0.3655, 0.4109**, and the grayscale version is **45.6021, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1657, 0.2941, 0.3002**, and **21.0209, 0.2349, 0.2082** is the 20% darker color. If you saturate the color by 10%, you get **34.0972, 0.2302, 0.1971**, and if you desaturate by 10%, it is **58.2479, 0.2715, 0.2637**.

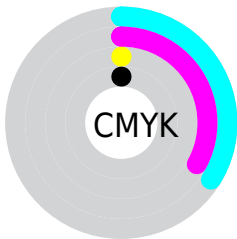
Distribution



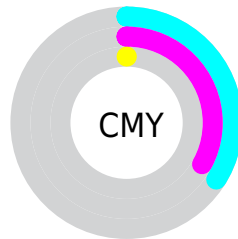
- Red (66%)
- Green (67%)
- Blue (100%)



- Red (66%)
- Yellow (67%)
- Blue (100%)



- Cyan (34%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0499, 0.2514, 0.2314 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 45.0499, 0.2514, 0.2314 by changing the saturation by 10% instead.

■ 45.0499, 0.2514,
0.2314

■ 45.0499, 0.2514,
0.2314

366.9756, 0.2818,
0.2772

■ 31.4967, 0.2441,
0.2210

■ 82.7953, 0.2623,
0.2473

■ 20.9774, 0.2348,
0.2082

107.7563, 0.2664,
0.2535

■ 13.1075, 0.2229,
0.1921

137.2887, 0.2700,
0.2588

■ 7.5026, 0.2071,
0.1716

171.7769, 0.2730,
0.2635

■ 3.7784, 0.1854,
0.1450

211.6053, 0.2756,
0.2676

■ 1.5504, 0.1546,
0.1097

257.1583, 0.2780,


■ 0.3238, 0.1111,


0.2712

0.0490


308.8203, 0.2800,
0.2744


 0.0000, 0.0000,
0.0000

 45.0499, 0.2514,
0.2314


 45.0499, 0.2514,
0.2314


 34.0972, 0.2302,
0.1971

 58.2479, 0.2715,
0.2637


 25.2601, 0.2091,
0.1624


 73.8012, 0.2900,
0.2931

 18.4033, 0.1893,
0.1296

 91.8184, 0.3065,
0.3192

 13.3742, 0.1725,
0.1012

 99.9975, 0.3127,
0.3290

 9.9973, 0.1601,
0.0796

■ 8.0632, 0.1528,
0.0662

■ 7.4757, 0.1506,
0.0619

Harmonies

Analogous

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



45.0499, 0.2137, 0.2350



45.0499, 0.2514, 0.2314



45.0499, 0.3092, 0.2487

Triad

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



45.0499, 0.2514, 0.2314



45.0499, 0.4395, 0.3764



45.0499, 0.2493, 0.3805

Complementary

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



45.0499, 0.2514, 0.2314



93.0342, 0.3655, 0.4109

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.



45.0499, 0.3059, 0.4323



45.0499, 0.2514, 0.2314



45.0499, 0.4172, 0.4201

Square

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



45.0499, 0.2514, 0.2314



45.0499, 0.4241, 0.3277



45.0499, 0.3675, 0.4448



45.0499, 0.2120, 0.3146

Rectangle

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



45.0499, 0.2514, 0.2314



45.0499, 0.3530, 0.2698



45.0499, 0.3675, 0.4448



45.0499, 0.2666, 0.4010

Sweetspot

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



45.0516, 0.2514, 0.2314



80.9334, 0.2970, 0.3043



86.7599, 0.2663, 0.3336



16.7930, 0.2947, 0.3005



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.



45.0516, 0.2514, 0.2314



37.2857, 0.2369, 0.2079



48.5024, 0.2790, 0.2341



17.5125, 0.2978, 0.3056



3.9648, 0.1508, 0.0627



0.4314, 0.1526, 0.0693

Inverse Universe

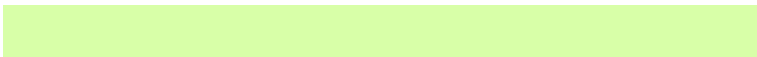
The Inverse Universe completely reimagines the original color for something new.



52.2330, 0.3900, 0.3250



45.5929, 0.4136, 0.3242



88.8945, 0.3378, 0.4224



18.0007, 0.3287, 0.3279



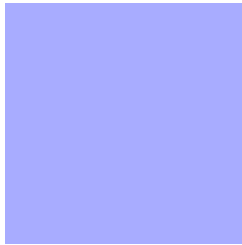
11.1282, 0.6354, 0.3274



1.0881, 0.6245, 0.3214

Previews

White Background



This preview shows how the Yxy color 45.0499, 0.2514, 0.2314 looks on a white background.

Color Contrast Check

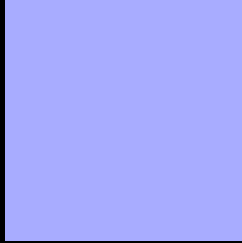
Large Text (above 18pt) WCAG AA × Fail

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 45.0499, 0.2514, 0.2314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

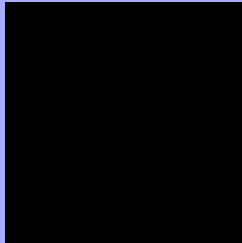
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0499, 0.2514, 0.2314

Background



This preview shows how black text looks on a background with the Yxy color 45.0499, 0.2514, 0.2314.



This preview shows how white text looks on a background with the Yxy color 45.0499, 0.2514, 0.2314.

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

45.0499, 0.2514, 0.2314

Protanopia

45.1407, 0.2432, 0.2340

Deuteranopia

45.1793, 0.2420, 0.2358



Tritanopia

44.9128, 0.2793, 0.3087

Trichromacy



Original Color

45.0499, 0.2514, 0.2314

Protanomaly

45.2509, 0.2461, 0.2335

Deuteranomaly

44.9838, 0.2453, 0.2342

Tritanomaly

44.8283, 0.2686, 0.2774

Monochromacy



Original Color

45.0499, 0.2514, 0.2314

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.1794, 0.2888, 0.2906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0499, 0.2514, 0.2314 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(168, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 172, 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(168, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 172, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.0499, 0.2514, 0.2314 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(168, 172, 255) }
```

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

```
.border{ border-color:rgb(168, 172, 255) }
```

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

Here you see how a box with a 4 pixel rgb(168, 172, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 172,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0499, 0.2514, 0.2314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 172, 255) }
```

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

```
.background{ background-color: rgb(168,  
172, 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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