

Converting Colors

$Y_{xy}(45.0235, 0.2524, 0.2310)$

Have a look what the booklet for
Yxy(45.0235, 0.2524, 0.2310)
contains.

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Color

Yxy(44.8919, 0.2526, 0.2305)

Conversions

Conversions Part 1

Format	Color
Hex	AAABFF
RGB	170, 171, 255
RGB Percent	67%, 67%, 100%
CMY	0.3331, 0.3294, 0.0000
CMYK	0.33, 0.33, 0.00, 0.00
HSL	239°, 100%, 83%
HSV	239°, 33%, 100%
XYZ	49.1961, 44.8919, 100.6708
YIQ	180.2770, -27.5600, 25.9120

Conversions

Conversions Part 2

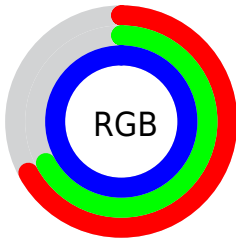
Format	Color
R _Y B	170, 171, 255
Decimal	11185151
CIE Lab	72.82, 18.60, -41.70
CIE LCh	73, 45.663, 294.044
Yxy	44.8919, 0.2526, 0.2305
Android (android.graphics.Color)	4289375231 (0xFFAAABFF)
YUV	180.2770, 36.8384, -9.0129
Hunter-Lab	67.0014, 13.8119, -42.1833

Details

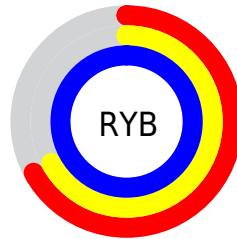
The Yxy color **44.8919, 0.2526, 0.2305** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95.0744, 0.3634, 0.4116**, and the grayscale version is **45.6121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9436, 0.2953, 0.2992**, and **20.9157, 0.2363, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **33.6873, 0.2311, 0.1952**, and if you desaturate by 10%, it is **58.4680, 0.2729, 0.2638**.

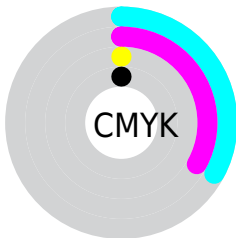
Distribution



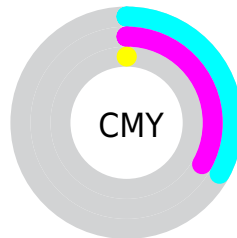
- Red (67%)
- Green (67%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8919, 0.2526, 0.2305 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 44.8919, 0.2526, 0.2305 by changing the saturation by 10% instead.

■ 44.8919, 0.2526,
0.2305

■ 44.8919, 0.2526,
0.2305

366.3356, 0.2825,
0.2767

■ 31.3723, 0.2454,
0.2200

■ 82.5582, 0.2633,
0.2465

■ 20.8825, 0.2363,
0.2071

107.4736, 0.2674,
0.2528

■ 13.0381, 0.2245,
0.1910

136.9565, 0.2709,
0.2581

■ 7.4548, 0.2089,
0.1705

171.3911, 0.2738,
0.2628

■ 3.7481, 0.1874,
0.1437

211.1620, 0.2764,
0.2669

■ 1.5337, 0.1567,
0.1085


256.6534, 0.2787,


■ 0.3123, 0.1136,


0.2706

0.0472


308.2498, 0.2807,
0.2738


 0.0000, 0.0000,
0.0000


 44.8919, 0.2526,
0.2305


 44.8919, 0.2526,
0.2305


 33.6873, 0.2311,
0.1952


 58.4680, 0.2729,
0.2638


 24.7133, 0.2096,
0.1596


 74.5351, 0.2913,
0.2940

 17.8223, 0.1894,
0.1262

 93.2112, 0.3077,
0.3209

 12.8469, 0.1723,
0.0978

 99.9994, 0.3127,
0.3290

 9.5937, 0.1597,
0.0768

■ 7.8288, 0.1525,
0.0644

■ 7.2810, 0.1501,
0.0605

Harmonies

Analogous

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



44.8919, 0.2135, 0.2332



44.8919, 0.2526, 0.2305



44.8919, 0.3117, 0.2488

Triad

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



44.8919, 0.2526, 0.2305



44.8919, 0.4411, 0.3788



44.8919, 0.2463, 0.3786

Complementary

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



44.8919, 0.2526, 0.2305



95.0744, 0.3634, 0.4116

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.



44.8919, 0.3031, 0.4325



44.8919, 0.2526, 0.2305



44.8919, 0.4170, 0.4228

Square

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



44.8919, 0.2526, 0.2305



44.8919, 0.4271, 0.3296



44.8919, 0.3657, 0.4468



44.8919, 0.2096, 0.3117

Rectangle

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



44.8919, 0.2526, 0.2305



44.8919, 0.3562, 0.2706



44.8919, 0.3657, 0.4468



44.8919, 0.2636, 0.3997

Sweetspot

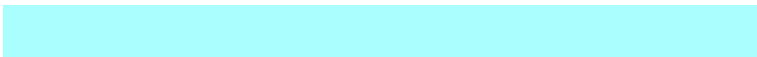
The Sweet Spot groups the original color and five complimentary colors.



44.8936, 0.2526, 0.2305



80.4337, 0.2970, 0.3033



87.1936, 0.2659, 0.3304



16.6735, 0.2946, 0.2994



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.



44.8936, 0.2526, 0.2305



37.1481, 0.2383, 0.2070



49.8506, 0.2821, 0.2371



17.4101, 0.2978, 0.3047



3.8188, 0.1502, 0.0607



0.3827, 0.1506, 0.0623

Inverse Universe

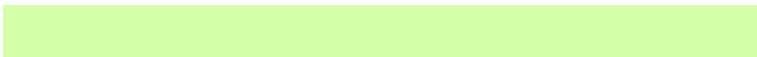
The Inverse Universe completely reimagines the original color for something new.



52.9653, 0.3902, 0.3282



46.3801, 0.4137, 0.3281



88.7041, 0.3354, 0.4206



17.9904, 0.3293, 0.3288



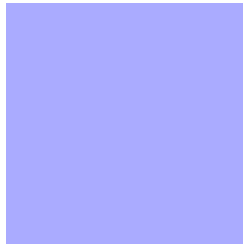
11.1135, 0.6389, 0.3293



1.0832, 0.6362, 0.3279

Previews

White Background



This preview shows how the Yxy color 44.8919, 0.2526, 0.2305 looks on a white background.

Color Contrast Check

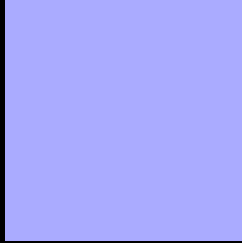
Large Text (above 18pt) WCAG AA × Fail

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 44.8919, 0.2526, 0.2305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

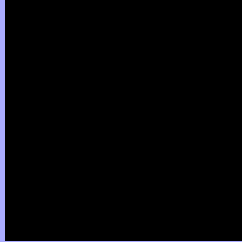
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8919, 0.2526, 0.2305

Background



This preview shows how black text looks on a background with the Yxy color 44.8919, 0.2526, 0.2305.



This preview shows how white text looks on a background with the Yxy color 44.8919, 0.2526, 0.2305.

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

44.8919, 0.2526, 0.2305

Protanopia

45.0430, 0.2425, 0.2339

Deuteranopia

45.1793, 0.2420, 0.2358



Tritanopia

44.6552, 0.2814, 0.3087

Trichromacy



Original Color

44.8919, 0.2526, 0.2305

Protanomaly

44.8630, 0.2459, 0.2323

Deuteranomaly

45.0848, 0.2460, 0.2344

Tritanomaly

44.5841, 0.2705, 0.2774

Monochromacy



Original Color

44.8919, 0.2526, 0.2305

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 44.8919, 0.2526, 0.2305 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(170, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 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(170, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.8919, 0.2526, 0.2305 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(170, 171, 255) }
```

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

```
.border{ border-color:rgb(170, 171, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8919, 0.2526, 0.2305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 171, 255) }
```

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

```
.background{ background-color: rgb(170,  
171, 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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