

Converting Colors

$Y_{xy}(44.8311, 0.2424, 0.2332)$

Have a look what the booklet for
Yxy(44.8311, 0.2424, 0.2332)
contains.

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Color

Yxy(44.6522, 0.2423, 0.2326)

Conversions

Conversions Part 1

Format	Color
Hex	99AFFF
RGB	153, 175, 255
RGB Percent	60%, 69%, 100%
CMY	0.4002, 0.3137, 0.0000
CMYK	0.40, 0.31, 0.00, 0.00
HSL	227°, 100%, 80%
HSV	227°, 40%, 100%
XYZ	46.5143, 44.6522, 100.8034
YIQ	177.5420, -38.7920, 20.2160

Conversions

Conversions Part 2

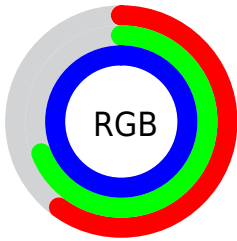
Format	Color
R _Y B	153, 171, 255
Decimal	10072063
CIE Lab	72.66, 11.86, -42.06
CIE LCh	73, 43.698, 285.742
Yxy	44.6522, 0.2423, 0.2326
Android (android.graphics.Color)	4288262143 (0xFF99AFFF)
YUV	177.5420, 38.1868, -21.5233
Hunter-Lab	66.8223, 7.3130, -42.6651

Details

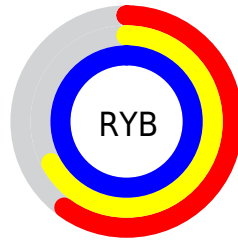
The Yxy color **44.6522, 0.2423, 0.2326** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.8057, 0.3809, 0.4094**, and the grayscale version is **44.0720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5153, 0.2847, 0.3026**, and **20.7845, 0.2237, 0.2094** is the 20% darker color. If you saturate the color by 10%, you get **35.2166, 0.2229, 0.2033**, and if you desaturate by 10%, it is **55.7685, 0.2616, 0.2603**.

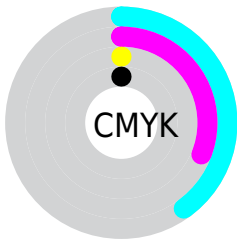
Distribution



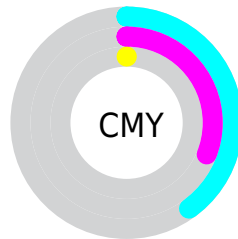
- Red (60%)
- Green (69%)
- Blue (100%)



- Red (60%)
- Yellow (67%)
- Blue (100%)



- Cyan (40%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6522, 0.2423, 0.2326 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 44.6522, 0.2423, 0.2326 by changing the saturation by 10% instead.

■ 44.6522, 0.2423,
0.2326

■ 44.6522, 0.2423,
0.2326

■ 365.3631, 0.2769,
0.2783

■ 31.1836, 0.2340,
0.2221

■ 82.1983, 0.2546,
0.2485

■ 20.7387, 0.2237,
0.2092

■ 107.0445, 0.2593,
0.2547

■ 12.9331, 0.2105,
0.1930

■ 136.4520, 0.2633,
0.2600

■ 7.3825, 0.1931,
0.1723

■ 170.8052, 0.2668,
0.2646

■ 3.7024, 0.1695,
0.1451

■ 210.4886, 0.2698,
0.2687

■ 1.5085, 0.1366,
0.1092

■ 255.8864, 0.2725,

■ 0.2947, 0.0885,

0.2723

0.0458

307.3831, 0.2748,
0.2754

0.0000, 0.0000,
0.0000

44.6522, 0.2423,
0.2326

44.6522, 0.2423,
0.2326

35.2166, 0.2229,
0.2033

55.7685, 0.2616,
0.2603

27.3790, 0.2041,
0.1735

68.6455, 0.2799,
0.2858

21.0465, 0.1870,
0.1447

83.3561, 0.2970,
0.3087

16.1168, 0.1727,
0.1184

99.9693, 0.3127,
0.3290

12.4735, 0.1622,
0.0964

100.0000, 0.3127,
0.3290

■ 9.9629, 0.1555,
0.0798

Harmonies

Analogous

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



44.6522, 0.2107, 0.2415



44.6522, 0.2423, 0.2326



44.6522, 0.2948, 0.2449

Triad

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



44.6522, 0.2423, 0.2326



44.6522, 0.4361, 0.3644



44.6522, 0.2628, 0.3933

Complementary

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



44.6522, 0.2423, 0.2326



81.8057, 0.3809, 0.4094

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.



44.6522, 0.3206, 0.4359



44.6522, 0.2423, 0.2326



44.6522, 0.4226, 0.4091

Square

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



44.6522, 0.2423, 0.2326



44.6522, 0.4121, 0.3170



44.6522, 0.3794, 0.4387



44.6522, 0.2209, 0.3298

Rectangle

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



44.6522, 0.2423, 0.2326



44.6522, 0.3369, 0.2632



44.6522, 0.3794, 0.4387



44.6522, 0.2809, 0.4112

Sweetspot

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



44.6516, 0.2423, 0.2326



80.2906, 0.2938, 0.3044



84.1649, 0.2675, 0.3542



16.7618, 0.2916, 0.3014



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.



44.6516, 0.2423, 0.2326



36.9886, 0.2268, 0.2093



39.9169, 0.2585, 0.2119



18.0140, 0.2979, 0.3098



5.3816, 0.1562, 0.0821



0.6755, 0.1616, 0.1018

Inverse Universe

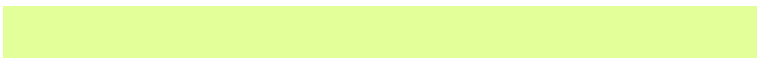
The Inverse Universe completely reimagines the original color for something new.



47.1234, 0.3921, 0.3061



40.4308, 0.4168, 0.3018



90.0013, 0.3529, 0.4357



18.0513, 0.3260, 0.3239



11.2712, 0.6036, 0.3099



1.1127, 0.5732, 0.2931

Previews

White Background



This preview shows how the Yxy color 44.6522, 0.2423, 0.2326 looks on a white background.

Color Contrast Check

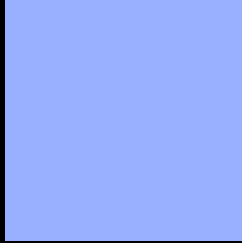
Large Text (above 18pt) WCAG AA × Fail

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 44.6522, 0.2423, 0.2326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

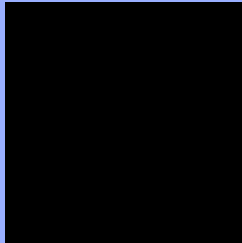
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.6522, 0.2423, 0.2326

Background



This preview shows how black text looks on a background with the Yxy color 44.6522, 0.2423, 0.2326.



This preview shows how white text looks on a background with the Yxy color 44.6522, 0.2423, 0.2326.

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

44.6522, 0.2423, 0.2326

Protanopia

44.5553, 0.2417, 0.2325

Deuteranopia

44.5666, 0.2395, 0.2331



Tritanopia

44.8238, 0.2664, 0.3082

Trichromacy



Original Color

44.6522, 0.2423, 0.2326

Protanomaly

44.5553, 0.2417, 0.2325

Deuteranomaly

44.7547, 0.2407, 0.2334

Tritanomaly

44.6056, 0.2568, 0.2775

Monochromacy



Original Color

44.6522, 0.2423, 0.2326

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.3355, 0.2839, 0.2912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6522, 0.2423, 0.2326 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(153, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 175, 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(153, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.6522, 0.2423, 0.2326 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(153, 175, 255) }
```

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

```
.border{ border-color:rgb(153, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6522, 0.2423, 0.2326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 175, 255) }
```

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

```
.background{ background-color: rgb(153,  
175, 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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