

Converting Colors

$Yxy(47.0518, 0.2437, 0.1985)$

Have a look what the booklet for
Yxy(47.0518, 0.2437, 0.1985)
contains.

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Color

Yxy(44.5694, 0.2630, 0.2265)

Conversions

Conversions Part 1

Format	Color
Hex	BAA5FF
RGB	186, 165, 255
RGB Percent	73%, 65%, 100%
CMY	0.2705, 0.3529, 0.0001
CMYK	0.27, 0.35, 0.00, 0.00
HSL	254°, 100%, 82%
HSV	254°, 35%, 100%
XYZ	51.7517, 44.5694, 100.4533
YIQ	181.5390, -16.3740, 32.4420

Conversions

Conversions Part 2

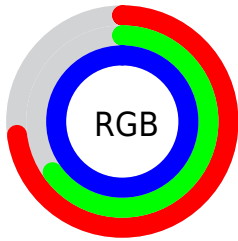
Format	Color
RYB	186, 165, 255
Decimal	12232191
CIELab	72.61, 26.36, -41.93
CIELCh	73, 49.525, 302.156
Yxy	44.5694, 0.2630, 0.2265
Android (android.graphics.Color)	4290422271 (0xFFBAA5FF)
YUV	181.5390, 36.2163, 3.9123
Hunter-Lab	66.7603, 21.5402, -42.4806

Details

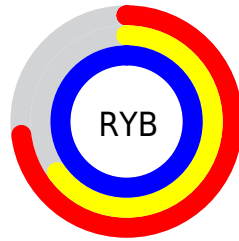
The Yxy color **44.5694, 0.2630, 0.2265** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **91.7012, 0.3517, 0.4217**, and the grayscale version is **46.3236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6395, 0.3067, 0.2942**, and **20.7128, 0.2490, 0.2026** is the 20% darker color. If you saturate the color by 10%, you get **33.9888, 0.2453, 0.1931**, and if you desaturate by 10%, it is **57.3215, 0.2793, 0.2587**.

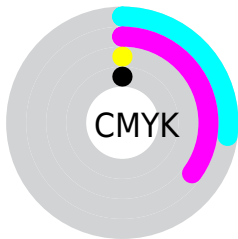
Distribution



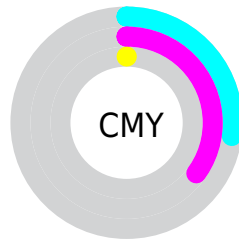
- Red (73%)
- Green (65%)
- Blue (100%)



- Red (73%)
- Yellow (65%)
- Blue (100%)



- Cyan (27%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5694, 0.2630, 0.2265 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 44.5694, 0.2630, 0.2265 by changing the saturation by 10% instead.


 44.5694, 0.2630,
0.2265


 44.5694, 0.2630,
0.2265


365.0268, 0.2882,
0.2741

 31.1184, 0.2568,
0.2158


 82.0739, 0.2721,
0.2429

 20.6890, 0.2489,
0.2027


 106.8961, 0.2756,
0.2493

 12.8969, 0.2386,
0.1864


136.2776, 0.2785,
0.2549

 7.3576, 0.2248,
0.1657

170.6027, 0.2810,
0.2597

 3.6867, 0.2054,
0.1390

210.2557, 0.2832,
0.2640

 1.4999, 0.1771,
0.1042

255.6212, 0.2851,

 0.2887, 0.1368,

0.2677

0.0429

307.0834, 0.2867,
0.2711

0.0000, 0.0000,
0.0000

44.5694, 0.2630,
0.2265

44.5694, 0.2630,
0.2265

33.9888, 0.2453,
0.1931

57.3215, 0.2793,
0.2587

25.4516, 0.2268,
0.1599

72.3531, 0.2939,
0.2886

18.8237, 0.2084,
0.1291

89.7712, 0.3067,
0.3158

13.9530, 0.1913,
0.1027

99.9978, 0.3127,
0.3290

10.6628, 0.1767,
0.0827

■ 8.7374, 0.1655,
0.0702

■ 8.1639, 0.1614,
0.0663

Harmonies

Analogous

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



44.5694, 0.2147, 0.2227



44.5694, 0.2630, 0.2265



44.5694, 0.3309, 0.2514

Triad

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



44.5694, 0.2630, 0.2265



44.5694, 0.4483, 0.3954



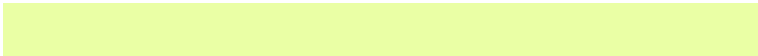
44.5694, 0.2274, 0.3629

Complementary

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



44.5694, 0.2630, 0.2265



91.7012, 0.3517, 0.4217

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.



44.5694, 0.2837, 0.4301



44.5694, 0.2630, 0.2265



44.5694, 0.4121, 0.4399

Square

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



44.5694, 0.2630, 0.2265



44.5694, 0.4455, 0.3429



44.5694, 0.3514, 0.4581



44.5694, 0.1957, 0.2919

Rectangle

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



44.5694, 0.2630, 0.2265



44.5694, 0.3788, 0.2773



44.5694, 0.3514, 0.4581



44.5694, 0.2439, 0.3876

Sweetspot

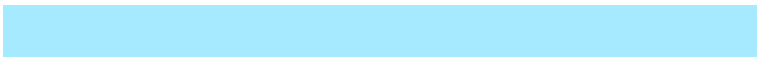
The Sweet Spot groups the original color and five complimentary colors.



44.5711, 0.2630, 0.2265



79.5386, 0.2996, 0.3006



74.0496, 0.2596, 0.3053



16.5288, 0.2978, 0.2969



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.



44.5711, 0.2630, 0.2265



37.2419, 0.2512, 0.2041



51.1158, 0.2975, 0.2360



17.5824, 0.3015, 0.3047



4.3226, 0.1627, 0.0670



0.4679, 0.1733, 0.0728

Inverse Universe

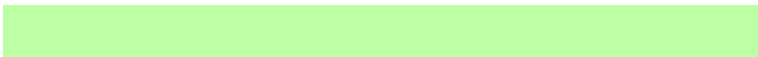
The Inverse Universe completely reimagines the original color for something new.



54.1048, 0.3339, 0.2598



48.1213, 0.3392, 0.2469



85.0335, 0.3221, 0.4311



18.2235, 0.3174, 0.3110



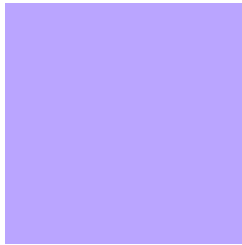
13.2028, 0.3907, 0.1926



1.3022, 0.3810, 0.1873

Previews

White Background



This preview shows how the Yxy color 44.5694, 0.2630, 0.2265 looks on a white background.

Color Contrast Check

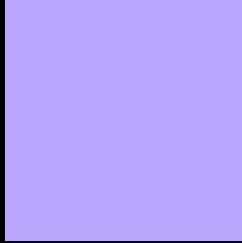
Large Text (above 18pt) WCAG AA × Fail

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 44.5694, 0.2630, 0.2265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

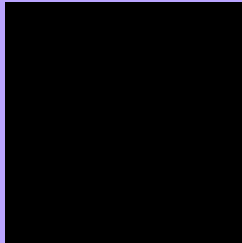
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.5694, 0.2630, 0.2265

Background



This preview shows how black text looks on a background with the Yxy color 44.5694, 0.2630, 0.2265.



This preview shows how white text looks on a background with the Yxy color 44.5694, 0.2630, 0.2265.

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

44.5694, 0.2630, 0.2265

Protanopia

44.9461, 0.2419, 0.2337

Deuteranopia

44.7218, 0.2424, 0.2355



Tritanopia

44.6452, 0.2983, 0.3106

Trichromacy



Original Color

44.5694, 0.2630, 0.2265

Protanomaly

44.6176, 0.2488, 0.2307

Deuteranomaly

44.5533, 0.2493, 0.2316

Tritanomaly

44.2584, 0.2843, 0.2762

Monochromacy



Original Color

44.5694, 0.2630, 0.2265

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

45.7214, 0.2929, 0.2876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5694, 0.2630, 0.2265 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(186, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 165, 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(186, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 165, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.5694, 0.2630, 0.2265 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(186, 165, 255) }
```

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

```
.border{ border-color:rgb(186, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 165,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5694, 0.2630, 0.2265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 165, 255) }
```

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

```
.background{ background-color: rgb(186,  
165, 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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