

Converting Colors

$Y_{xy}(43.8970, 0.2263, 0.1507)$

Have a look what the booklet for
Yxy(43.8970, 0.2263, 0.1507)
contains.

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Color

Yxy(37.5556, 0.2689, 0.2008)

Conversions

Conversions Part 1

Format	Color
Hex	C58BFF
RGB	197, 139, 255
RGB Percent	77%, 55%, 100%
CMY	0.2277, 0.4547, 0.0001
CMYK	0.23, 0.45, 0.00, 0.00
HSL	270°, 100%, 77%
HSV	270°, 45%, 100%
XYZ	50.2923, 37.5556, 99.1819
YIQ	169.5660, -2.6680, 48.3720

Conversions

Conversions Part 2

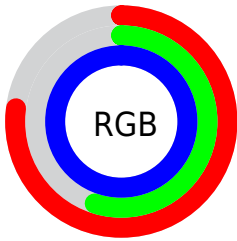
Format	Color
RYB	197, 139, 255
Decimal	12946431
CIELab	67.69, 43.67, -49.58
CIELCh	68, 66.070, 311.376
Yxy	37.5556, 0.2689, 0.2008
Android (android.graphics.Color)	4291136511 (0xFFC58BFF)
YUV	169.5660, 42.1190, 24.0596
Hunter-Lab	61.2826, 39.2436, -53.0592

Details

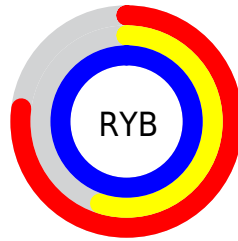
The Yxy color **37.5556, 0.2689, 0.2008** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.2479, 0.3407, 0.4577**, and the grayscale version is **39.7599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0636, 0.3155, 0.2693**, and **16.5563, 0.2549, 0.1716** is the 20% darker color. If you saturate the color by 10%, you get **29.3619, 0.2561, 0.1716**, and if you desaturate by 10%, it is **47.6198, 0.2808, 0.2309**.

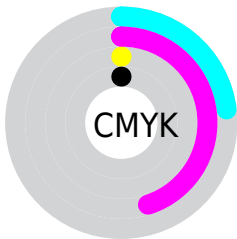
Distribution



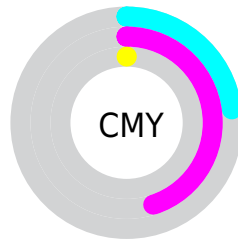
- Red (77%)
- Green (55%)
- Blue (100%)



- Red (77%)
- Yellow (55%)
- Blue (100%)



- Cyan (23%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (23%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5556, 0.2689, 0.2008 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 37.5556, 0.2689, 0.2008 by changing the saturation by 10% instead.


 37.5556, 0.2689,
0.2008


 37.5556, 0.2689,
0.2008


335.7097, 0.2926,
0.2597

 25.6380, 0.2627,
0.1878

 71.4265, 0.2778,
0.2209

 16.5530, 0.2548,
0.1721


 94.1485, 0.2810,
0.2289

 9.9163, 0.2441,
0.1529


 121.2408, 0.2837,
0.2357

 5.3435, 0.2295,
0.1292

153.0877, 0.2861,
0.2417

 2.4502, 0.2086,
0.0998

190.0737, 0.2880,
0.2470

 0.8515, 0.1775,
0.0642

232.5831, 0.2898,


 0.0000, 0.1337,


0.2517


0.0000


281.0003, 0.2913,
0.2559

 0.0000, 0.0000,
0.0000

 37.5556, 0.2689,
0.2008


 37.5556, 0.2689,
0.2008


 29.3619, 0.2561,
0.1716


 47.6198, 0.2808,
0.2309


 22.9093, 0.2427,
0.1447


 59.6634, 0.2914,
0.2606

 18.0584, 0.2293,
0.1217

 73.7916, 0.3008,
0.2889

 14.6449, 0.2166,
0.1039

 90.1012, 0.3088,
0.3154

 12.4668, 0.2051,
0.0918

99.9982, 0.3127,
0.3290

■ 11.7561, 0.2003,
0.0877

Harmonies

Analogous

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



37.5556, 0.1969, 0.1863



37.5556, 0.2689, 0.2008



37.5556, 0.3679, 0.2395

Triad

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



37.5556, 0.2689, 0.2008



37.5556, 0.4849, 0.4302



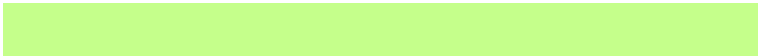
37.5556, 0.1788, 0.3406

Complementary

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



37.5556, 0.2689, 0.2008



85.2479, 0.3407, 0.4577

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.



37.5556, 0.2423, 0.4516



37.5556, 0.2689, 0.2008



37.5556, 0.4186, 0.4918

Square

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



37.5556, 0.2689, 0.2008



37.5556, 0.5053, 0.3613



37.5556, 0.3304, 0.5119



37.5556, 0.1519, 0.2490

Rectangle

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



37.5556, 0.2689, 0.2008



37.5556, 0.4339, 0.2757



37.5556, 0.3304, 0.5119



37.5556, 0.1960, 0.3783

Sweetspot

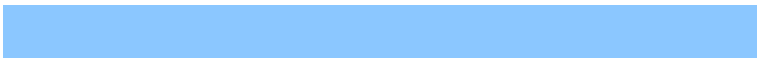
The Sweet Spot groups the original color and five complimentary colors.



37.5571, 0.2689, 0.2008



76.0665, 0.3021, 0.2930



53.5292, 0.2396, 0.2612



15.5751, 0.3002, 0.2870



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.



37.5571, 0.2689, 0.2008



29.7130, 0.2567, 0.1729



46.5853, 0.3163, 0.2173



17.8233, 0.3057, 0.3050



6.2330, 0.2020, 0.0886



0.6718, 0.2142, 0.0954

Inverse Universe

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



43.7663, 0.3728, 0.2694



36.9655, 0.3920, 0.2583



79.0279, 0.3070, 0.4721



18.1388, 0.3215, 0.3172



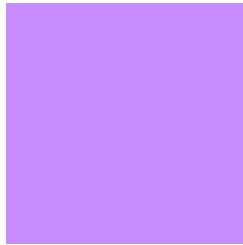
11.9485, 0.4962, 0.2507



1.1854, 0.4708, 0.2367

Previews

White Background



This preview shows how the Yxy color 37.5556, 0.2689, 0.2008 looks on a white background.

Color Contrast Check

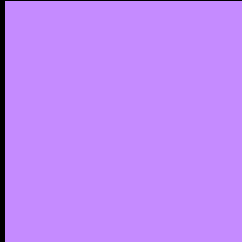
Large Text (above 18pt) WCAG AA × Fail

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 37.5556, 0.2689, 0.2008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

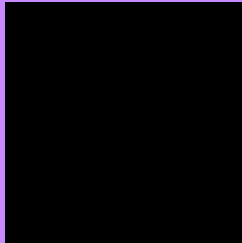
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5556, 0.2689, 0.2008

Background



This preview shows how black text looks on a background with the Yxy color 37.5556, 0.2689, 0.2008.



This preview shows how white text looks on a background with the Yxy color 37.5556, 0.2689, 0.2008.

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

37.5556, 0.2689, 0.2008

Protanopia

37.8065, 0.2260, 0.2127

Deuteranopia

37.8130, 0.2260, 0.2192



Tritanopia

37.3391, 0.3242, 0.3114

Trichromacy



Original Color

37.5556, 0.2689, 0.2008



Protanomaly

37.2012, 0.2390, 0.2071



Deuteranomaly

37.0503, 0.2388, 0.2104



Tritanomaly

36.9623, 0.3016, 0.2641

Monochromacy



Original Color

37.5556, 0.2689, 0.2008



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

38.7166, 0.2962, 0.2746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5556, 0.2689, 0.2008 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(197, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 139, 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(197, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 139, 255) }
```

Border

The CSS property to change the border of an element to Yxy 37.5556, 0.2689, 0.2008 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(197, 139, 255) }
```

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

```
.border{ border-color:rgb(197, 139, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 139,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5556, 0.2689, 0.2008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 139, 255) }
```

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

```
.background{ background-color: rgb(197,  
139, 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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