

Converting Colors

$Y_{xy}(34.7992, 0.2516, 0.1947)$

Have a look what the booklet for
Yxy(34.7992, 0.2516, 0.1947)
contains.

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Color

Yxy(34.7992, 0.2516, 0.1947)

Conversions

Conversions Part 1

Format	Color
Hex	AF8BFF
RGB	175, 139, 255
RGB Percent	69%, 55%, 100%
CMY	0.3136, 0.4550, 0.0000
CMYK	0.31, 0.45, 0.00, 0.00
HSL	259°, 100%, 77%
HSV	259°, 45%, 100%
XYZ	44.9691, 34.7992, 98.9641
YIQ	162.9880, -15.7800, 43.7080

Conversions

Conversions Part 2

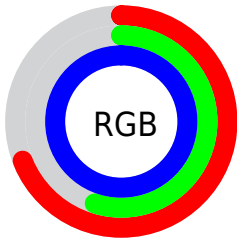
Format	Color
R _Y B	175, 139, 255
Decimal	11504639
CIE Lab	65.59, 37.92, -53.06
CIE LCh	66, 65.214, 305.553
Yxy	34.7992, 0.2516, 0.1947
Android (android.graphics.Color)	4289694719 (0xFFAF8BFF)
YUV	162.9880, 45.3619, 10.5345
Hunter-Lab	58.9908, 32.8376, -58.1724

Details

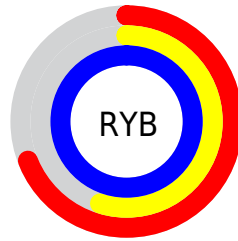
The Yxy color **34.7992, 0.2516, 0.1947** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.4357, 0.3554, 0.4515**, and the grayscale version is **36.4089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6836, 0.2992, 0.2652**, and **14.9786, 0.2328, 0.1638** is the 20% darker color. If you saturate the color by 10%, you get **26.3538, 0.2345, 0.1626**, and if you desaturate by 10%, it is **45.2322, 0.2678, 0.2272**.

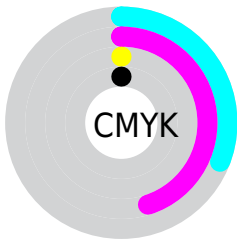
Distribution



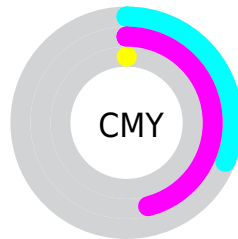
- Red (69%)
- Green (55%)
- Blue (100%)



- Red (69%)
- Yellow (55%)
- Blue (100%)



- Cyan (31%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7992, 0.2516, 0.1947 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 34.7992, 0.2516, 0.1947 by changing the saturation by 10% instead.


 34.7992, 0.2516,
0.1947


 34.7992, 0.2516,
0.1947


323.6811, 0.2839,
0.2571


 23.5082, 0.2434,
0.1809


 67.1746, 0.2635,
0.2161

 14.9692, 0.2329,
0.1642


 89.0278, 0.2679,
0.2245

 8.7978, 0.2192,
0.1438


 115.1705, 0.2717,
0.2318

 4.6095, 0.2006,
0.1187

145.9872, 0.2748,
0.2381

 2.0200, 0.1748,
0.0880

181.8622, 0.2776,
0.2437

 0.6191, 0.1384,
0.0502

223.1799, 0.2799,


 0.0000, 0.0801,


0.2487


0.0000

270.3248, 0.2820,
0.2531


 0.0000, 0.0000,
0.0000


 34.7992, 0.2516,
0.1947

 34.7992, 0.2516,
0.1947

 26.3538, 0.2345,
0.1626


 45.2322, 0.2678,
0.2272


 19.7629, 0.2173,
0.1328


 57.7706, 0.2826,
0.2587

 14.8787, 0.2008,
0.1072

 72.5247, 0.2957,
0.2882

 11.5296, 0.1862,
0.0876

 89.5965, 0.3071,
0.3153

 9.5046, 0.1743,
0.0749

100.0000, 0.3127,
0.3290

■ 8.8927, 0.1698,
0.0709

Harmonies

Analogous

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



34.7992, 0.1856, 0.1852



34.7992, 0.2516, 0.1947



34.7992, 0.3480, 0.2293

Triad

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



34.7992, 0.2516, 0.1947



34.7992, 0.4950, 0.4172



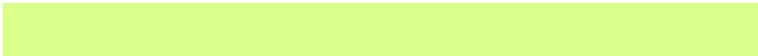
34.7992, 0.1869, 0.3627

Complementary

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



34.7992, 0.2516, 0.1947



88.4357, 0.3554, 0.4515

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.



34.7992, 0.2574, 0.4716



34.7992, 0.2516, 0.1947



34.7992, 0.4348, 0.4830

Square

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



34.7992, 0.2516, 0.1947



34.7992, 0.5043, 0.3480



34.7992, 0.3483, 0.5160



34.7992, 0.1527, 0.2625

Rectangle

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



34.7992, 0.2516, 0.1947



34.7992, 0.4170, 0.2637



34.7992, 0.3483, 0.5160



34.7992, 0.2067, 0.4015

Sweetspot

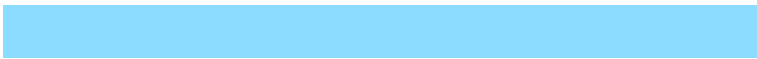
The Sweet Spot groups the original color and five complimentary colors.



34.7997, 0.2516, 0.1947



74.9280, 0.2975, 0.2925



63.9971, 0.2443, 0.2877



15.2990, 0.2949, 0.2864



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.



34.7997, 0.2516, 0.1947



26.7275, 0.2354, 0.1642



42.8032, 0.2980, 0.2109



17.6515, 0.3027, 0.3048



4.7157, 0.1713, 0.0717



0.5141, 0.1832, 0.0783

Inverse Universe

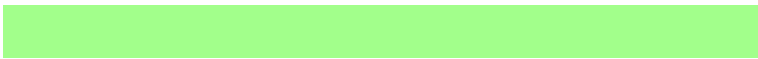
The Inverse Universe completely reimagines the original color for something new.



44.8331, 0.3506, 0.2485



38.1886, 0.3618, 0.2336



81.0849, 0.3189, 0.4671



18.1986, 0.3186, 0.3128



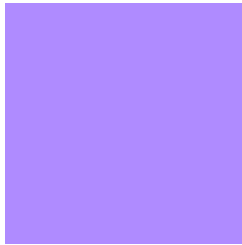
12.7698, 0.4190, 0.2082



1.2630, 0.4050, 0.2005

Previews

White Background



This preview shows how the Yxy color 34.7992, 0.2516, 0.1947 looks on a white background.

Color Contrast Check

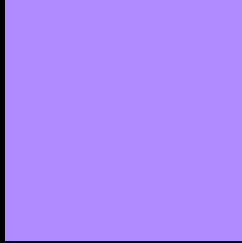
Large Text (above 18pt) WCAG AA × Fail

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 34.7992, 0.2516, 0.1947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

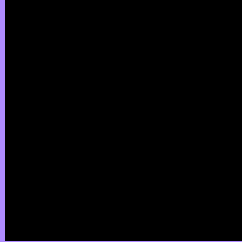
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7992, 0.2516, 0.1947

Background



This preview shows how black text looks on a background with the Yxy color 34.7992, 0.2516, 0.1947.



This preview shows how white text looks on a background with the Yxy color 34.7992, 0.2516, 0.1947.

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

34.7992, 0.2516, 0.1947

Protanopia

35.0619, 0.2196, 0.2035

Deuteranopia

35.0125, 0.2159, 0.2093



Tritanopia

34.6631, 0.3013, 0.3101

Trichromacy



Original Color

34.7992, 0.2516, 0.1947

Protanomaly

34.6954, 0.2298, 0.1996

Deuteranomaly

34.4713, 0.2268, 0.2032

Tritanomaly

34.2900, 0.2809, 0.2600

Monochromacy



Original Color

34.7992, 0.2516, 0.1947

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.3122, 0.2885, 0.2720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7992, 0.2516, 0.1947 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(175, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 139, 255) }
```

Border

The CSS property to change the border of an element to Yxy 34.7992, 0.2516, 0.1947 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(175, 139, 255) }
```

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

```
.border{ border-color:rgb(175, 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(175, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 139,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7992, 0.2516, 0.1947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 139, 255) }
```

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

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