

Converting Colors

$Y_{xy}(34.7507, 0.2632, 0.2079)$

Have a look what the booklet for
Yxy(34.7507, 0.2632, 0.2079)
contains.

Yxy(34.7507, 0.2632, 0.2079)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.7507, 0.2632, 0.2079)

Conversions

Conversions Part 1

Format	Color
Hex	B38CF2
RGB	179, 140, 242
RGB Percent	70%, 55%, 95%
CMY	0.2981, 0.4509, 0.0509
CMYK	0.26, 0.42, 0.00, 0.05
HSL	263°, 80%, 75%
HSV	263°, 42%, 95%
XYZ	43.9942, 34.7507, 88.4062
YIQ	163.2890, -9.4980, 39.9900

Conversions

Conversions Part 2

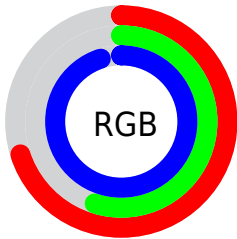
Format	Color
R _Y B	179, 140, 242
Decimal	11767026
CIE Lab	65.55, 35.25, -45.97
CIE LCh	66, 57.928, 307.477
Yxy	34.7507, 0.2632, 0.2079
Android (android.graphics.Color)	4289957106 (0xFFB38CF2)
YUV	163.2890, 38.8045, 13.7785
Hunter-Lab	58.9497, 30.0525, -47.6517

Details

The Yxy color **34.7507, 0.2632, 0.2079** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **78.1106, 0.3475, 0.4440**, and the grayscale version is **36.5863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6364, 0.3014, 0.2666**, and **14.9326, 0.2479, 0.1793** is the 20% darker color. If you saturate the color by 10%, you get **26.7536, 0.2479, 0.1766**, and if you desaturate by 10%, it is **44.4990, 0.2773, 0.2393**.

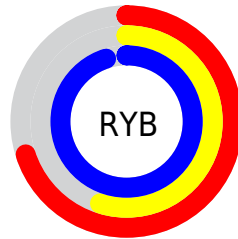
Distribution



Red (70%)

Green (55%)

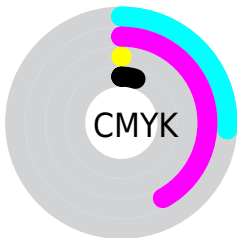
Blue (95%)



Red (70%)

Yellow (55%)

Blue (95%)

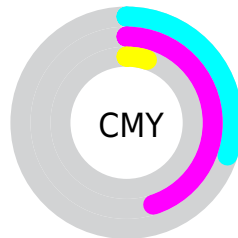


Cyan (26%)

Magenta (42%)

Yellow (0%)

Black (5%)



Cyan (30%)


Magenta (45%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7507, 0.2632, 0.2079 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 34.7507, 0.2632, 0.2079 by changing the saturation by 10% instead.


 34.7507, 0.2632,
0.2079


 34.7507, 0.2632,
0.2079


323.4666, 0.2897,
0.2651

 23.4709, 0.2563,
0.1949


 67.0994, 0.2731,
0.2278

 14.9416, 0.2473,
0.1790


 88.9371, 0.2768,
0.2355

 8.7784, 0.2354,
0.1592

 115.0628, 0.2798,
0.2422

 4.5969, 0.2188,
0.1343

145.8610, 0.2824,
0.2479

 2.0128, 0.1949,
0.1027

181.7161, 0.2846,
0.2530

 0.6149, 0.1595,
0.0613

223.0125, 0.2866,

 0.0000, 0.0916,

0.2575


0.0000


270.1345, 0.2882,
0.2615


 0.0000, 0.0000,
0.0000

 34.7507, 0.2632,
0.2079


 34.7507, 0.2632,
0.2079


 26.7536, 0.2479,
0.1766


 44.4990, 0.2773,
0.2393


 20.3943, 0.2321,
0.1468


 56.0940, 0.2900,
0.2695


 15.5523, 0.2163,
0.1205

 69.6289, 0.3012,
0.2978

 12.0878, 0.2016,
0.0993

 85.1894, 0.3108,
0.3238

 9.8332, 0.1887,
0.0843

 98.9569, 0.3195,
0.3415

■ 8.7114, 0.1800,
0.0765

■ 99.1918, 0.3203,
0.3415

Harmonies

Analogous

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



34.7507, 0.2004, 0.1978



34.7507, 0.2632, 0.2079



34.7507, 0.3509, 0.2413

Triad

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



34.7507, 0.2632, 0.2079



34.7507, 0.4757, 0.4165



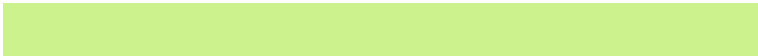
34.7507, 0.1967, 0.3534

Complementary

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



34.7507, 0.2632, 0.2079



78.1106, 0.3475, 0.4440

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.



34.7507, 0.2598, 0.4485



34.7507, 0.2632, 0.2079



34.7507, 0.4209, 0.4726

Square

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



34.7507, 0.2632, 0.2079



34.7507, 0.4852, 0.3531



34.7507, 0.3420, 0.4940



34.7507, 0.1663, 0.2664

Rectangle

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



34.7507, 0.2632, 0.2079



34.7507, 0.4113, 0.2739



34.7507, 0.3420, 0.4940



34.7507, 0.2144, 0.3869

Sweetspot

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



34.7521, 0.2632, 0.2079



76.9628, 0.3003, 0.2954



55.4661, 0.2476, 0.2827



15.7193, 0.2979, 0.2893



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.



34.7521, 0.2632, 0.2079



30.9469, 0.2495, 0.1797



41.7324, 0.3055, 0.2216



15.5231, 0.3039, 0.3050



4.7516, 0.1817, 0.0774



0.4507, 0.1963, 0.0855

Inverse Universe

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



41.9525, 0.3541, 0.2616



40.3374, 0.3668, 0.2481



72.2399, 0.3146, 0.4569



15.9231, 0.3197, 0.3145



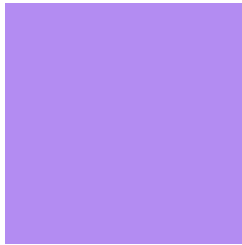
11.3434, 0.4467, 0.2234



0.9630, 0.4256, 0.2118

Previews

White Background



This preview shows how the Yxy color 34.7507, 0.2632, 0.2079 looks on a white background.

Color Contrast Check

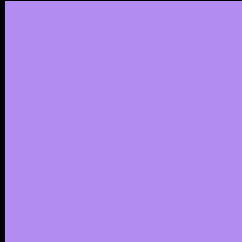
Large Text (above 18pt) WCAG AA × Fail

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 34.7507, 0.2632, 0.2079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

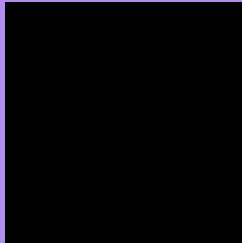
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7507, 0.2632, 0.2079

Background



This preview shows how black text looks on a background with the Yxy color 34.7507, 0.2632, 0.2079.

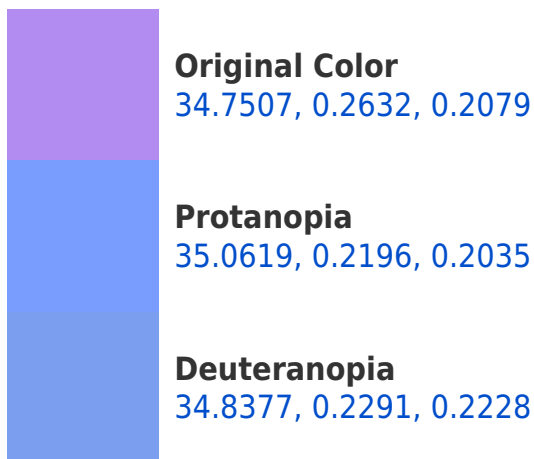


This preview shows how white text looks on a background with the Yxy color 34.7507, 0.2632, 0.2079.

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





Tritanopia

34.6034, 0.3106, 0.3118

Trichromacy



Original Color

34.7507, 0.2632, 0.2079

Protanomaly

34.4656, 0.2329, 0.2042

Deuteranomaly

34.2049, 0.2397, 0.2159

Tritanomaly

34.2989, 0.2919, 0.2681

Monochromacy



Original Color

34.7507, 0.2632, 0.2079

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.6835, 0.2936, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7507, 0.2632, 0.2079 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(179, 140, 242)` looks like.

```
.text, #text, p{  
    color:rgb(179, 140, 242)  
}
```

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(179, 140, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 140, 242) }
```

Border

The CSS property to change the border of an element to Yxy 34.7507, 0.2632, 0.2079 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(179, 140, 242) }
```

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

```
.border{ border-color:rgb(179, 140, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 140, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 140, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 140, 242);  
box-shadow:4px 4px 4px 4px rgb(179, 140,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7507, 0.2632, 0.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 140, 242) }
```

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

```
.background{ background-color: rgb(179,  
140, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor