

Converting Colors

$Y_{xy}(40.7544, 0.2581, 0.2225)$

Have a look what the booklet for
Yxy(40.7544, 0.2581, 0.2225)
contains.

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Color

Yxy(40.7498, 0.2579, 0.2228)

Conversions

Conversions Part 1

Format	Color
Hex	AF9FF9
RGB	175, 159, 249
RGB Percent	69%, 62%, 98%
CMY	0.3138, 0.3764, 0.0236
CMYK	0.30, 0.36, 0.00, 0.02
HSL	251°, 88%, 80%
HSV	251°, 36%, 98%
XYZ	47.1695, 40.7498, 94.9792
YIQ	174.0440, -19.3540, 31.3820

Conversions

Conversions Part 2

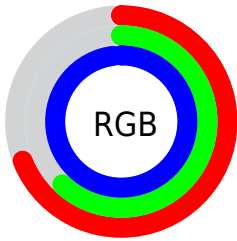
Format	Color
R_{YB}	175, 159, 249
Decimal	11509753
CIE Lab	70.00, 25.17, -42.82
CIE LCh	70, 49.671, 300.449
Yxy	40.7498, 0.2579, 0.2228
Android (android.graphics.Color)	4289699833 (0xFFAF9FF9)
YUV	174.0440, 36.9533, 0.8384
Hunter-Lab	63.8356, 20.1854, -43.5311

Details

The Yxy color **40.7498, 0.2579, 0.2228** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **87.5628, 0.3560, 0.4228**, and the grayscale version is **42.1654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4689, 0.2986, 0.2870**, and **18.3142, 0.2420, 0.1968** is the 20% darker color. If you saturate the color by 10%, you get **30.8404, 0.2390, 0.1887**, and if you desaturate by 10%, it is **52.7461, 0.2754, 0.2556**.

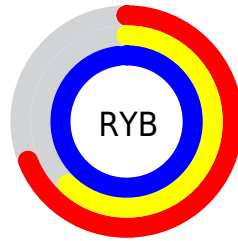
Distribution



Red (69%)

Green (62%)

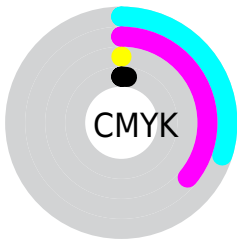
Blue (98%)



Red (69%)

Yellow (62%)

Blue (98%)

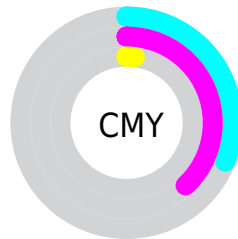


Cyan (30%)

Magenta (36%)

Yellow (0%)

Black (2%)



Cyan (31%)


Magenta (38%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7498, 0.2579, 0.2228 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 40.7498, 0.2579, 0.2228 by changing the saturation by 10% instead.


 40.7498, 0.2579,
0.2228


 40.7498, 0.2579,
0.2228


349.2738, 0.2859,
0.2728

 28.1236, 0.2509,
0.2114


 76.3039, 0.2681,
0.2402

 18.4189, 0.2420,
0.1975


 100.0007, 0.2719,
0.2469

 11.2511, 0.2304,
0.1800


128.1564, 0.2752,
0.2527

 6.2360, 0.2147,
0.1578

161.1556, 0.2780,
0.2578

 2.9891, 0.1926,
0.1291

199.3825, 0.2804,
0.2622

 1.1261, 0.1604,
0.0919

243.2216, 0.2825,


 0.0000, 0.1145,


0.2661

0.0000

293.0572, 0.2843,
0.2696


 0.0000, 0.0000,
0.0000


 40.7498, 0.2579,
0.2228

 40.7498, 0.2579,
0.2228


 30.8404, 0.2390,
0.1887

 52.7461, 0.2754,
0.2556

 22.8929, 0.2196,
0.1551


 66.9350, 0.2912,
0.2860

 16.7762, 0.2007,
0.1239

 83.4210, 0.3051,
0.3136

 12.3407, 0.1837,
0.0977

 99.6179, 0.3162,
0.3348

 9.4131, 0.1698,
0.0783

■ 7.7802, 0.1598,
0.0668

■ 7.3777, 0.1570,
0.0638

Harmonies

Analogous

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



40.7498, 0.2098, 0.2201



40.7498, 0.2579, 0.2228



40.7498, 0.3270, 0.2472

Triad

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



40.7498, 0.2579, 0.2228



40.7498, 0.4536, 0.3939



40.7498, 0.2274, 0.3684

Complementary

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



40.7498, 0.2579, 0.2228



87.5628, 0.3560, 0.4228

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.



40.7498, 0.2863, 0.4369



40.7498, 0.2579, 0.2228



40.7498, 0.4178, 0.4410

Square

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



40.7498, 0.2579, 0.2228



40.7498, 0.4484, 0.3398



40.7498, 0.3561, 0.4627



40.7498, 0.1934, 0.2941

Rectangle

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



40.7498, 0.2579, 0.2228



40.7498, 0.3768, 0.2732



40.7498, 0.3561, 0.4627



40.7498, 0.2447, 0.3939

Sweetspot

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



40.7514, 0.2579, 0.2228



79.2748, 0.2986, 0.3005



73.0446, 0.2595, 0.3117



16.4664, 0.2967, 0.2968



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.



40.7514, 0.2579, 0.2228



35.5574, 0.2450, 0.1993



46.6973, 0.2922, 0.2324



16.7911, 0.3007, 0.3047



3.9927, 0.1580, 0.0644



0.4093, 0.1678, 0.0698

Inverse Universe

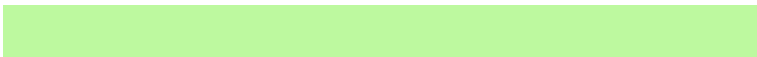
The Inverse Universe completely reimagines the original color for something new.



50.8196, 0.3302, 0.2536



47.6471, 0.3344, 0.2396



81.0574, 0.3261, 0.4325



17.4686, 0.3165, 0.3097



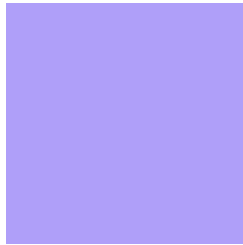
13.1539, 0.3717, 0.1821



1.2317, 0.3645, 0.1782

Previews

White Background



This preview shows how the Yxy color 40.7498, 0.2579, 0.2228 looks on a white background.

Color Contrast Check

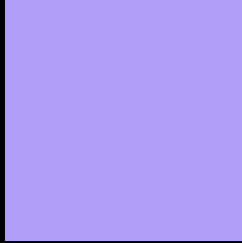
Large Text (above 18pt) WCAG AA × Fail

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 40.7498, 0.2579, 0.2228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

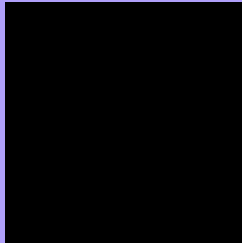
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7498, 0.2579, 0.2228

Background



This preview shows how black text looks on a background with the Yxy color 40.7498, 0.2579, 0.2228.



This preview shows how white text looks on a background with the Yxy color 40.7498, 0.2579, 0.2228.

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

40.7498, 0.2579, 0.2228

Protanopia

40.8880, 0.2337, 0.2220

Deuteranopia

41.1276, 0.2381, 0.2324



Tritanopia

40.7316, 0.2928, 0.3097

Trichromacy



Original Color

40.7498, 0.2579, 0.2228

Protanomaly

40.7744, 0.2415, 0.2221

Deuteranomaly

40.8221, 0.2443, 0.2282

Tritanomaly

40.4564, 0.2794, 0.2740

Monochromacy



Original Color

40.7498, 0.2579, 0.2228

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.5917, 0.2913, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7498, 0.2579, 0.2228 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, 159, 249)` looks like.

```
.text, #text, p{  
    color:rgb(175, 159, 249)  
}
```

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, 159, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 159, 249) }
```

Border

The CSS property to change the border of an element to Yxy 40.7498, 0.2579, 0.2228 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, 159, 249) }
```

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

```
.border{ border-color:rgb(175, 159, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 159, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 159, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 159, 249);  
box-shadow:4px 4px 4px 4px rgb(175, 159,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7498, 0.2579, 0.2228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 159, 249) }
```

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

```
.background{ background-color: rgb(175,  
159, 249) }
```

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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