

Converting Colors

$Y_{xy}(40.8308, 0.2618, 0.2247)$

Have a look what the booklet for
Yxy(40.8308, 0.2618, 0.2247)
contains.

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Color

Yxy(40.7528, 0.2620, 0.2243)

Conversions

Conversions Part 1

Format	Color
Hex	B39EF7
RGB	179, 158, 247
RGB Percent	70%, 62%, 97%
CMY	0.2980, 0.3804, 0.0315
CMYK	0.28, 0.36, 0.00, 0.03
HSL	254°, 85%, 79%
HSV	254°, 36%, 97%
XYZ	47.6025, 40.7528, 93.3335
YIQ	174.4250, -16.0530, 32.1310

Conversions

Conversions Part 2

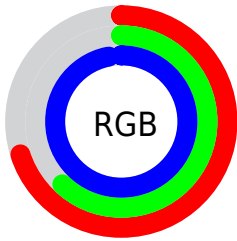
Format	Color
R _Y B	179, 158, 247
Decimal	11771639
CIE Lab	70.00, 26.37, -41.71
CIE LCh	70, 49.344, 302.304
Yxy	40.7528, 0.2620, 0.2243
Android (android.graphics.Color)	4289961719 (0xFFB39EF7)
YUV	174.4250, 35.7795, 4.0123
Hunter-Lab	63.8379, 21.3870, -41.9978

Details

The Yxy color **40.7528, 0.2620, 0.2243** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **85.1426, 0.3522, 0.4236**, and the grayscale version is **42.3769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6414, 0.3013, 0.2864**, and **18.3109, 0.2471, 0.1988** is the 20% darker color. If you saturate the color by 10%, you get **31.0613, 0.2443, 0.1909**, and if you desaturate by 10%, it is **52.4481, 0.2784, 0.2565**.

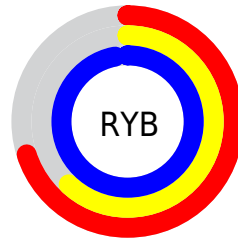
Distribution



Red (70%)

Green (62%)

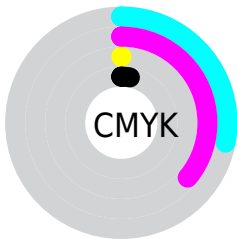
Blue (97%)



Red (70%)

Yellow (62%)

Blue (97%)

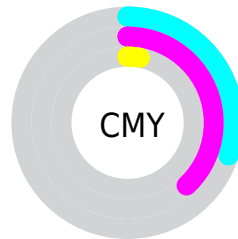


Cyan (28%)

Magenta (36%)

Yellow (0%)

Black (3%)



Cyan (30%)


Magenta (38%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7528, 0.2620, 0.2243 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 40.7528, 0.2620, 0.2243 by changing the saturation by 10% instead.


 40.7528, 0.2620,
0.2243

 40.7528, 0.2620,
0.2243

349.2864, 0.2881,
0.2736

 28.1260, 0.2555,
0.2131


 76.3085, 0.2715,
0.2414

 18.4206, 0.2471,
0.1993


 100.0062, 0.2751,
0.2481

 11.2524, 0.2361,
0.1820


128.1629, 0.2781,
0.2538

 6.2369, 0.2212,
0.1600

161.1631, 0.2807,
0.2588

 2.9896, 0.2000,
0.1314

199.3911, 0.2829,
0.2632

 1.1263, 0.1687,
0.0941

243.2314, 0.2849,

 0.0003, 0.1245,

0.2670

0.0001

293.0684, 0.2866,
0.2705

■ 0.0000, 0.0000,
0.0000

■ 40.7528, 0.2620,
0.2243

■ 40.7528, 0.2620,
0.2243

■ 31.0613, 0.2443,
0.1909

■ 52.4481, 0.2784,
0.2565

■ 23.2545, 0.2258,
0.1580

■ 66.2476, 0.2930,
0.2866

■ 17.2076, 0.2075,
0.1274

■ 82.2508, 0.3058,
0.3139

■ 12.7788, 0.1906,
0.1014

■ 99.3958, 0.3170,
0.3367

■ 9.8030, 0.1762,
0.0819

■ 99.4940, 0.3174,
0.3367

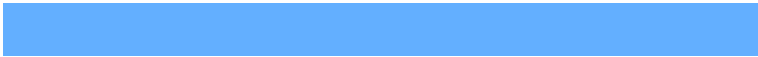
■ 8.0779, 0.1652,
0.0698

■ 7.6218, 0.1618,
0.0665

Harmonies

Analogous

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



40.7528, 0.2126, 0.2202



40.7528, 0.2620, 0.2243



40.7528, 0.3316, 0.2498

Triad

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



40.7528, 0.2620, 0.2243



40.7528, 0.4516, 0.3968



40.7528, 0.2250, 0.3633

Complementary

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



40.7528, 0.2620, 0.2243



85.1426, 0.3522, 0.4236

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.



40.7528, 0.2824, 0.4329



40.7528, 0.2620, 0.2243



40.7528, 0.4140, 0.4427

Square

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



40.7528, 0.2620, 0.2243



40.7528, 0.4491, 0.3432



40.7528, 0.3517, 0.4617



40.7528, 0.1929, 0.2904

Rectangle

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



40.7528, 0.2620, 0.2243



40.7528, 0.3808, 0.2763



40.7528, 0.3517, 0.4617



40.7528, 0.2418, 0.3889

Sweetspot

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



40.7544, 0.2620, 0.2243



79.5503, 0.2996, 0.3006



68.4951, 0.2587, 0.3047



16.5316, 0.2979, 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.



40.7544, 0.2620, 0.2243



36.2609, 0.2496, 0.2008



46.8986, 0.2971, 0.2341



16.1154, 0.3016, 0.3048



4.0853, 0.1631, 0.0672



0.4042, 0.1750, 0.0738

Inverse Universe

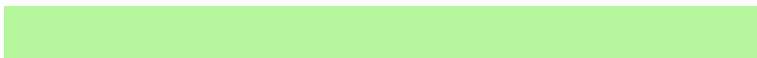
The Inverse Universe completely reimagines the original color for something new.



49.7167, 0.3346, 0.2587



47.2822, 0.3402, 0.2453



78.8890, 0.3222, 0.4334



16.6975, 0.3174, 0.3111



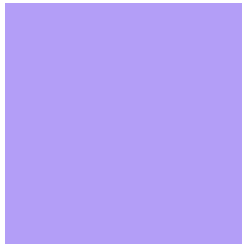
12.4177, 0.3914, 0.1930



1.1072, 0.3807, 0.1871

Previews

White Background



This preview shows how the Yxy color 40.7528, 0.2620, 0.2243 looks on a white background.

Color Contrast Check

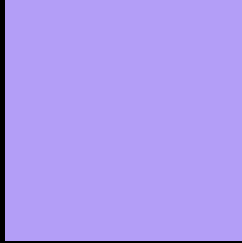
Large Text (above 18pt) WCAG AA × Fail

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 40.7528, 0.2620, 0.2243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

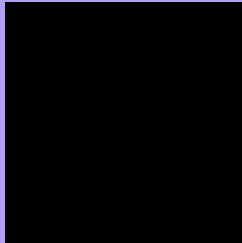
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7528, 0.2620, 0.2243

Background



This preview shows how black text looks on a background with the Yxy color 40.7528, 0.2620, 0.2243.



This preview shows how white text looks on a background with the Yxy color 40.7528, 0.2620, 0.2243.

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

40.7528, 0.2620, 0.2243

Protanopia

40.8880, 0.2337, 0.2220

Deuteranopia

40.8081, 0.2402, 0.2334



Tritanopia

40.8020, 0.2986, 0.3112

Trichromacy



Original Color

40.7528, 0.2620, 0.2243

Protanomaly

40.5478, 0.2431, 0.2222

Deuteranomaly

40.6320, 0.2472, 0.2294

Tritanomaly

40.4354, 0.2841, 0.2755

Monochromacy



Original Color

40.7528, 0.2620, 0.2243

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.4524, 0.2929, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7528, 0.2620, 0.2243 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, 158, 247)` looks like.

```
.text, #text, p{  
    color:rgb(179, 158, 247)  
}
```

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, 158, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 158, 247) }
```

Border

The CSS property to change the border of an element to Yxy 40.7528, 0.2620, 0.2243 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, 158, 247) }
```

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

```
.border{ border-color:rgb(179, 158, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 158, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 158, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 158, 247);  
box-shadow:4px 4px 4px 4px rgb(179, 158,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7528, 0.2620, 0.2243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 158, 247) }
```

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

```
.background{ background-color: rgb(179,  
158, 247) }
```

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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