

Converting Colors

$Y_{xy}(32.3720, 0.2752, 0.2310)$

Have a look what the booklet for
Yxy(32.3720, 0.2752, 0.2310)
contains.

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Color

Yxy(32.3720, 0.2752, 0.2310)

Conversions

Conversions Part 1

Format	Color
Hex	AB8CD8
RGB	171, 140, 216
RGB Percent	67%, 55%, 85%
CMY	0.3295, 0.4509, 0.1528
CMYK	0.21, 0.35, 0.00, 0.15
HSL	264°, 49%, 70%
HSV	264°, 35%, 85%
XYZ	38.5661, 32.3720, 69.2004
YIQ	157.9330, -5.9200, 30.2080

Conversions

Conversions Part 2

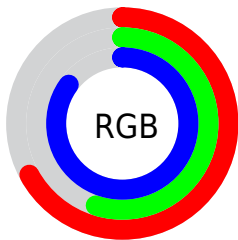
Format	Color
RYB	171, 140, 216
Decimal	11242712
CIELab	63.65, 26.85, -34.63
CIELCh	64, 43.816, 307.787
Yxy	32.3720, 0.2752, 0.2310
Android (android.graphics.Color)	4289432792 (0xFFAB8CD8)
YUV	157.9330, 28.6270, 11.4598
Hunter-Lab	56.8964, 21.4241, -32.2842

Details

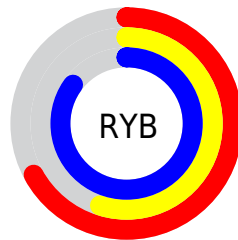
The Yxy color **32.3720, 0.2752, 0.2310** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **61.3419, 0.3408, 0.4239**, and the grayscale version is **34.0300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1345, 0.2948, 0.2654**, and **13.4999, 0.2618, 0.2038** is the 20% darker color. If you saturate the color by 10%, you get **25.2987, 0.2614, 0.2000**, and if you desaturate by 10%, it is **40.8264, 0.2877, 0.2612**.

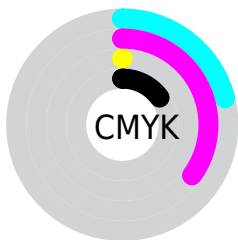
Distribution



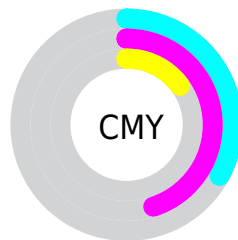
- Red (67%)
- Green (55%)
- Blue (85%)



- Red (67%)
- Yellow (55%)
- Blue (85%)



- Cyan (21%)
- Magenta (35%)
- Yellow (0%)
- Black (15%)





- Cyan (33%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3720, 0.2752, 0.2310 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 32.3720, 0.2752, 0.2310 by changing the saturation by 10% instead.


 32.3720, 0.2752,
0.2310


 32.3720, 0.2752,
0.2310


312.8104, 0.2956,
0.2792


 21.6458, 0.2697,
0.2194


 63.3938, 0.2830,
0.2482

 13.5969, 0.2623,
0.2049


 84.4582, 0.2858,
0.2548

 7.8408, 0.2522,
0.1862


 109.7375, 0.2881,
0.2603

 3.9933, 0.2377,
0.1614

139.6160, 0.2901,
0.2652

 1.6698, 0.2153,
0.1278

174.4781, 0.2918,
0.2693

 0.4040, 0.1808,
0.0692

214.7083, 0.2933,

 0.0000, 0.0000,

0.2730

0.0000

260.6909, 0.2945,
0.2763

■ 32.3720, 0.2752,
0.2310

■ 32.3720, 0.2752,
0.2310

■ 25.2987, 0.2614,
0.2000

■ 40.8264, 0.2877,
0.2612

■ 19.5259, 0.2465,
0.1695

■ 50.7287, 0.2987,
0.2898

■ 14.9702, 0.2313,
0.1411

■ 62.1459, 0.3083,
0.3162

■ 11.5368, 0.2162,
0.1165

■ 75.1398, 0.3165,
0.3403

■ 9.1157, 0.2022,
0.0971

■ 89.7685, 0.3234,
0.3618

■ 7.5732, 0.1899,
0.0839

■ 96.3978, 0.3310,
0.3676

■ 7.0343, 0.1847,
0.0791

■ 97.7394, 0.3357,
0.3671

Harmonies

Analogous

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



32.3720, 0.2232, 0.2231



32.3720, 0.2752, 0.2310



32.3720, 0.3441, 0.2590

Triad

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



32.3720, 0.2752, 0.2310



32.3720, 0.4422, 0.4039



32.3720, 0.2208, 0.3485

Complementary

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



32.3720, 0.2752, 0.2310



61.3419, 0.3408, 0.4239

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.



32.3720, 0.2725, 0.4180



32.3720, 0.2752, 0.2310



32.3720, 0.4008, 0.4444

Square

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



32.3720, 0.2752, 0.2310



32.3720, 0.4473, 0.3527



32.3720, 0.3384, 0.4546



32.3720, 0.1945, 0.2816

Rectangle

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



32.3720, 0.2752, 0.2310



32.3720, 0.3902, 0.2864



32.3720, 0.3384, 0.4546



32.3720, 0.2355, 0.3731

Sweetspot

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



32.3733, 0.2752, 0.2310



80.3733, 0.3028, 0.3009



45.4937, 0.2579, 0.2883



16.7269, 0.3015, 0.2972



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.



32.3733, 0.2752, 0.2310



39.5136, 0.2654, 0.2087



37.1898, 0.3096, 0.2403



12.2532, 0.3044, 0.3053



4.2218, 0.1862, 0.0800



0.3023, 0.2059, 0.0908

Inverse Universe

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



36.8672, 0.3470, 0.2753



47.1302, 0.3567, 0.2642



57.2798, 0.3130, 0.4326



12.5431, 0.3199, 0.3153



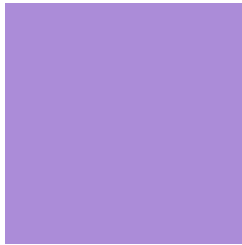
9.5856, 0.4561, 0.2286



0.5944, 0.4265, 0.2123

Previews

White Background



This preview shows how the Yxy color 32.3720, 0.2752, 0.2310 looks on a white background.

Color Contrast Check

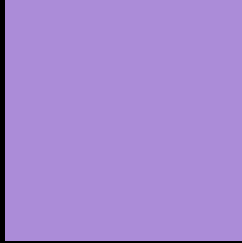
Large Text (above 18pt) WCAG AA × Fail

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 32.3720, 0.2752, 0.2310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

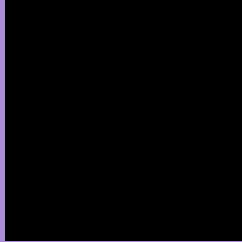
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3720, 0.2752, 0.2310

Background



This preview shows how black text looks on a background with the Yxy color 32.3720, 0.2752, 0.2310.



This preview shows how white text looks on a background with the Yxy color 32.3720, 0.2752, 0.2310.

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

32.3720, 0.2752, 0.2310

Protanopia

32.6933, 0.2384, 0.2281

Deuteranopia

32.4624, 0.2490, 0.2424



Tritanopia

32.4589, 0.3125, 0.3114

Trichromacy



Original Color

32.3720, 0.2752, 0.2310

Protanomaly

32.4735, 0.2507, 0.2296

Deuteranomaly

32.3820, 0.2576, 0.2379

Tritanomaly

32.2442, 0.2983, 0.2796

Monochromacy



Original Color

32.3720, 0.2752, 0.2310

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.1744, 0.2990, 0.2892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3720, 0.2752, 0.2310 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(171, 140, 216)` looks like.

```
.text, #text, p{  
    color:rgb(171, 140, 216)  
}
```

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(171, 140, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 140, 216) }
```

Border

The CSS property to change the border of an element to Yxy 32.3720, 0.2752, 0.2310 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(171, 140, 216) }
```

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

```
.border{ border-color:rgb(171, 140, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 140, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 140, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 140, 216);  
box-shadow:4px 4px 4px 4px rgb(171, 140,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3720, 0.2752, 0.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 140, 216) }
```

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

```
.background{ background-color: rgb(171,  
140, 216) }
```

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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