

Converting Colors

Yxy(31.5152, 0.2744, 0.2149)

Have a look what the booklet for
Yxy(31.5152, 0.2744, 0.2149)
contains.

| | |
|---|----|
| Yxy(31.4037, 0.2739, 0.2139) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(31.4037, 0.2739, 0.2139)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B284E1 |
| RGB | 178, 132, 225 |
| RGB Percent | 70%, 52%, 88% |
| CMY | 0.3018, 0.4824, 0.1175 |
| CMYK | 0.21, 0.41, 0.00, 0.12 |
| HSL | 270°, 61%, 70% |
| HSV | 270°, 41%, 88% |
| XYZ | 40.2126, 31.4037, 75.1986 |
| YIQ | 156.3560, -2.4370, 38.6750 |

Conversions

Conversions Part 2

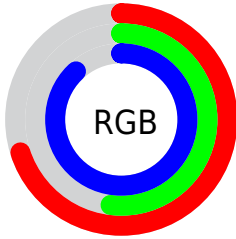
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 178, 132, 225 |
| Decimal | 11699425 |
| CIE _{Lab} | 62.85, 35.50, -40.84 |
| CIE _{LCh} | 63, 54.114, 310.997 |
| Yxy | 31.4037, 0.2739, 0.2139 |
| Android (android.graphics.Color) | 4289889505 (0xFFB284E1) |
| YUV | 156.3560, 33.8415, 18.9818 |
| Hunter-Lab | 56.0390, 30.0202, -40.3338 |

Details

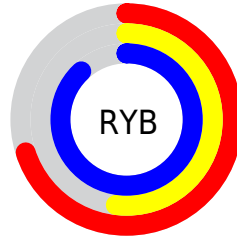
The Yxy color **31.4037, 0.2739, 0.2139** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **65.1126, 0.3390, 0.4443**, and the grayscale version is **33.2612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0000, 0.3007, 0.2582**, and **12.9604, 0.2599, 0.1843** is the 20% darker color. If you saturate the color by 10%, you get **24.6578, 0.2614, 0.1843**, and if you desaturate by 10%, it is **39.5795, 0.2853, 0.2438**.

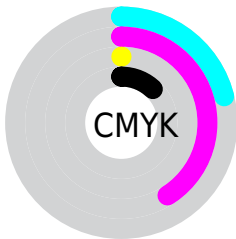
Distribution



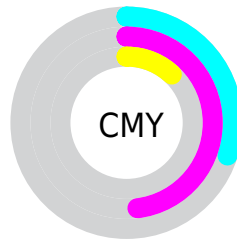
- Red (70%)
- Green (52%)
- Blue (88%)



- Red (70%)
- Yellow (52%)
- Blue (88%)



- Cyan (21%)
- Magenta (41%)
- Yellow (0%)
- Black (12%)




- Cyan (30%)
- Magenta (48%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4037, 0.2739, 0.2139 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 31.4037, 0.2739, 0.2139 by changing the saturation by 10% instead.


 31.4037, 0.2739,
0.2139


 31.4037, 0.2739,
0.2139


308.3939, 0.2955,
0.2695

 20.9064, 0.2680,
0.2009


 61.8751, 0.2822,
0.2335

 13.0556, 0.2602,
0.1848


 82.6180, 0.2851,
0.2410

 7.4669, 0.2494,
0.1644


 107.5450, 0.2876,
0.2475

 3.7558, 0.2339,
0.1382

137.0404, 0.2897,
0.2531

 1.5379, 0.2104,
0.1042

171.4885, 0.2915,
0.2580

 0.3152, 0.1755,
0.0457

211.2739, 0.2930,


 0.0000, 0.0453,

0.2623


0.0000


256.7809, 0.2943,
0.2661

 0.0000, 0.0000,
0.0000


 31.4037, 0.2739,
0.2139

 31.4037, 0.2739,
0.2139

 24.6578, 0.2614,
0.1843

 39.5795, 0.2853,
0.2438


 19.2500, 0.2482,
0.1563

 49.2620, 0.2954,
0.2728


 15.0832, 0.2348,
0.1314

 60.5267, 0.3042,
0.3003

 12.0450, 0.2217,
0.1111

 73.4428, 0.3118,
0.3257

 10.0012, 0.2096,
0.0964

 88.0755, 0.3182,
0.3489

■ 8.8437, 0.2001,
0.0876

■ 96.5910, 0.3247,
0.3586

■ 98.2180, 0.3303,
0.3581

Harmonies

Analogous

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



31.4037, 0.2093, 0.2013



31.4037, 0.2739, 0.2139



31.4037, 0.3604, 0.2489

Triad

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



31.4037, 0.2739, 0.2139



31.4037, 0.4667, 0.4219



31.4037, 0.1950, 0.3416

Complementary

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



31.4037, 0.2739, 0.2139



65.1126, 0.3390, 0.4443

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.



31.4037, 0.2532, 0.4347



31.4037, 0.2739, 0.2139



31.4037, 0.4101, 0.4733

Square

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



31.4037, 0.2739, 0.2139



31.4037, 0.4814, 0.3603



31.4037, 0.3321, 0.4865



31.4037, 0.1690, 0.2610

Rectangle

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



31.4037, 0.2739, 0.2139



31.4037, 0.4174, 0.2819



31.4037, 0.3321, 0.4865



31.4037, 0.2111, 0.3736

Sweetspot

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



31.4050, 0.2739, 0.2139



79.1929, 0.3036, 0.2984



43.0069, 0.2466, 0.2689



16.5076, 0.3025, 0.2948



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.



31.4050, 0.2739, 0.2139



33.5553, 0.2627, 0.1872



37.6992, 0.3160, 0.2272



13.5748, 0.3058, 0.3053



5.1639, 0.2017, 0.0885



0.4111, 0.2185, 0.0977

Inverse Universe

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



35.7626, 0.3643, 0.2746



40.3687, 0.3810, 0.2634



60.5628, 0.3077, 0.4561



13.8154, 0.3213, 0.3172



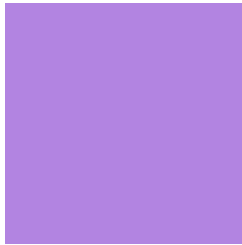
9.9429, 0.4931, 0.2490



0.7073, 0.4594, 0.2304

Previews

White Background



This preview shows how the Yxy color 31.4037, 0.2739, 0.2139 looks on a white background.

Color Contrast Check

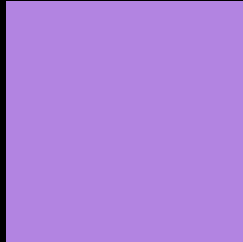
Large Text (above 18pt) WCAG AA × Fail

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 31.4037, 0.2739, 0.2139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

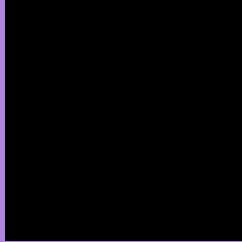
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4037, 0.2739, 0.2139

Background



This preview shows how black text looks on a background with the Yxy color 31.4037, 0.2739, 0.2139.



This preview shows how white text looks on a background with the Yxy color 31.4037, 0.2739, 0.2139.

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

31.4037, 0.2739, 0.2139

Protanopia

31.6377, 0.2228, 0.2077

Deuteranopia

31.6388, 0.2369, 0.2312



Tritanopia

31.5515, 0.3228, 0.3130

Trichromacy



Original Color

31.4037, 0.2739, 0.2139

Protanomaly

31.2185, 0.2382, 0.2087

Deuteranomaly

31.1497, 0.2492, 0.2239

Tritanomaly

31.3813, 0.3042, 0.2734

Monochromacy



Original Color

31.4037, 0.2739, 0.2139

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.0961, 0.2982, 0.2808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4037, 0.2739, 0.2139 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(178, 132, 225)` looks like.

```
.text, #text, p{  
    color:rgb(178, 132, 225)  
}
```

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(178, 132, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 132, 225) }
```

Border

The CSS property to change the border of an element to Yxy 31.4037, 0.2739, 0.2139 is called "border". The border property can be set on classes, ids or directly on the HTML element.

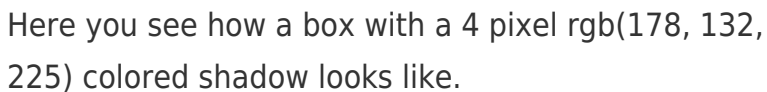
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 132, 225) }
```

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

```
.border{ border-color:rgb(178, 132, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 132, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 132, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 132, 225); box-shadow:4px 4px 4px 4px rgb(178, 132, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4037, 0.2739, 0.2139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 132, 225) }
```

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

```
.background{ background-color: rgb(178,  
132, 225) }
```

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