

Converting Colors

$Y_{xy}(31.7520, 0.2752, 0.2109)$

Have a look what the booklet for
Yxy(31.7520, 0.2752, 0.2109)
contains.

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Color

Yxy(31.7791, 0.2751, 0.2111)

Conversions

Conversions Part 1

Format	Color
Hex	B683E4
RGB	182, 131, 228
RGB Percent	71%, 51%, 89%
CMY	0.2862, 0.4863, 0.1059
CMYK	0.20, 0.43, 0.00, 0.11
HSL	272°, 64%, 70%
HSV	272°, 43%, 89%
XYZ	41.4137, 31.7791, 77.3477
YIQ	157.3070, -0.7410, 40.9790

Conversions

Conversions Part 2

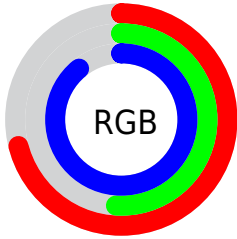
Format	Color
R_{YB}	182, 131, 228
Decimal	11961316
CIE _{Lab}	63.16, 37.85, -41.97
CIE _{LCh}	63, 56.518, 312.045
Yxy	31.7791, 0.2751, 0.2111
Android (android.graphics.Color)	4290151396 (0xFFB683E4)
YUV	157.3070, 34.8516, 21.6558
Hunter-Lab	56.3730, 32.4801, -41.8890

Details

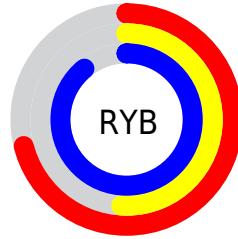
The Yxy color **31.7791, 0.2751, 0.2111** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **66.4684, 0.3374, 0.4488**, and the grayscale version is **33.7038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2686, 0.3037, 0.2578**, and **13.2279, 0.2617, 0.1815** is the 20% darker color. If you saturate the color by 10%, you get **25.0497, 0.2633, 0.1820**, and if you desaturate by 10%, it is **39.9600, 0.2859, 0.2407**.

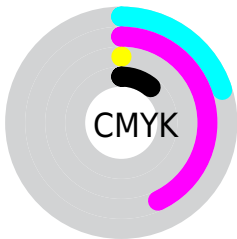
Distribution



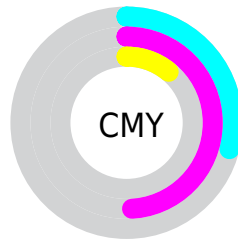
- Red (71%)
- Green (51%)
- Blue (89%)



- Red (71%)
- Yellow (51%)
- Blue (89%)



- Cyan (20%)
- Magenta (43%)
- Yellow (0%)
- Black (11%)





- Cyan (29%)
- Magenta (49%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7791, 0.2751, 0.2111 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 31.7791, 0.2751, 0.2111 by changing the saturation by 10% instead.


 31.7791, 0.2751,
0.2111


 31.7791, 0.2751,
0.2111


310.1117, 0.2961,
0.2677


 21.1928, 0.2693,
0.1980


 62.4646, 0.2832,
0.2310

 13.2650, 0.2617,
0.1818


 83.3327, 0.2861,
0.2386

 7.6113, 0.2512,
0.1614


 108.3968, 0.2885,
0.2452

 3.8473, 0.2361,
0.1354

138.0413, 0.2905,
0.2509

 1.5885, 0.2132,
0.1018

172.6507, 0.2922,
0.2559

 0.3498, 0.1790,
0.0471

212.6093, 0.2937,

 0.0000, 0.0722,

0.2603

0.0000

258.3015, 0.2950,
0.2642

0.0000, 0.0000,
0.0000

31.7791, 0.2751,
0.2111

31.7791, 0.2751,
0.2111

25.0497, 0.2633,
0.1820

39.9600, 0.2859,
0.2407

19.6763, 0.2508,
0.1549

49.6719, 0.2955,
0.2696

15.5577, 0.2380,
0.1310

60.9932, 0.3039,
0.2972

12.5761, 0.2256,
0.1119

73.9954, 0.3111,
0.3228

10.5899, 0.2141,
0.0981

88.7458, 0.3171,
0.3463

■ 9.5890, 0.2062,
0.0910

■ 96.8704, 0.3233,
0.3556

■ 98.3813, 0.3286,
0.3552

Harmonies

Analogous

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



31.7791, 0.2075, 0.1972



31.7791, 0.2751, 0.2111



31.7791, 0.3653, 0.2478

Triad

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



31.7791, 0.2751, 0.2111



31.7791, 0.4704, 0.4263



31.7791, 0.1893, 0.3383

Complementary

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



31.7791, 0.2751, 0.2111



66.4684, 0.3374, 0.4488

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.



31.7791, 0.2480, 0.4365



31.7791, 0.2751, 0.2111



31.7791, 0.4103, 0.4797

Square

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



31.7791, 0.2751, 0.2111



31.7791, 0.4882, 0.3627



31.7791, 0.3291, 0.4927



31.7791, 0.1640, 0.2557

Rectangle

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



31.7791, 0.2751, 0.2111



31.7791, 0.4244, 0.2820



31.7791, 0.3291, 0.4927



31.7791, 0.2053, 0.3717

Sweetspot

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



31.7804, 0.2751, 0.2111



77.7835, 0.3035, 0.2957



42.2196, 0.2439, 0.2623



15.9213, 0.3017, 0.2897



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.



31.7804, 0.2751, 0.2111



33.2587, 0.2648, 0.1855



38.2373, 0.3191, 0.2264



14.2583, 0.3062, 0.3053



5.6083, 0.2077, 0.0918



0.4697, 0.2232, 0.1003

Inverse Universe

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



35.8987, 0.3698, 0.2763



39.4851, 0.3875, 0.2661



61.9933, 0.3057, 0.4587



14.4812, 0.3218, 0.3179



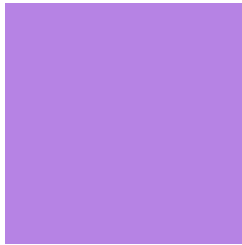
10.1739, 0.5064, 0.2563



0.7705, 0.4722, 0.2375

Previews

White Background



This preview shows how the Yxy color 31.7791, 0.2751, 0.2111 looks on a white background.

Color Contrast Check

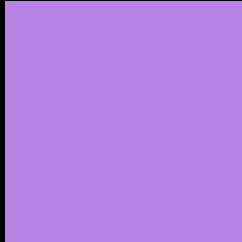
Large Text (above 18pt) WCAG AA × Fail

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 31.7791, 0.2751, 0.2111 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 31.7791, 0.2751, 0.2111

Background



This preview shows how black text looks on a background with the Yxy color 31.7791, 0.2751, 0.2111.



This preview shows how white text looks on a background with the Yxy color 31.7791, 0.2751, 0.2111.

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

31.7791, 0.2751, 0.2111

Protanopia

32.1263, 0.2207, 0.2051

Deuteranopia

32.0492, 0.2349, 0.2291



Tritanopia

31.5724, 0.3260, 0.3117

Trichromacy



Original Color

31.7791, 0.2751, 0.2111

Protanomaly

31.4807, 0.2372, 0.2061

Deuteranomaly

31.3121, 0.2473, 0.2208

Tritanomaly

31.4673, 0.3063, 0.2713

Monochromacy



Original Color

31.7791, 0.2751, 0.2111

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.7057, 0.2984, 0.2799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7791, 0.2751, 0.2111 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(182, 131, 228)` looks like.

```
.text, #text, p{  
    color:rgb(182, 131, 228)  
}
```

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(182, 131, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 131, 228) }
```

Border

The CSS property to change the border of an element to Yxy 31.7791, 0.2751, 0.2111 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(182, 131, 228) }
```

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

```
.border{ border-color:rgb(182, 131, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 131, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 131, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 131, 228);  
box-shadow:4px 4px 4px 4px rgb(182, 131,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7791, 0.2751, 0.2111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 131, 228) }
```

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

```
.background{ background-color: rgb(182,  
131, 228) }
```

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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