

Converting Colors

$Y_{xy}(31.0949, 0.2858, 0.1941)$

Have a look what the booklet for
Yxy(31.0949, 0.2858, 0.1941)
contains.

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Color

Yxy(31.1035, 0.2863, 0.1946)

Conversions

Conversions Part 1

Format	Color
Hex	CA74EC
RGB	202, 116, 236
RGB Percent	79%, 45%, 93%
CMY	0.2076, 0.5453, 0.0744
CMYK	0.14, 0.51, 0.00, 0.07
HSL	283°, 76%, 69%
HSV	283°, 51%, 93%
XYZ	45.7602, 31.1035, 82.9693
YIQ	155.3940, 12.7360, 55.5520

Conversions

Conversions Part 2

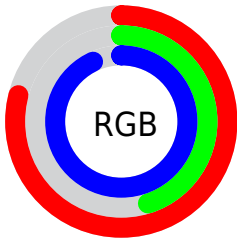
Format	Color
R _Y B	202, 116, 236
Decimal	13268204
CIE Lab	62.59, 53.11, -47.17
CIE LCh	63, 71.031, 318.391
Yxy	31.1035, 0.2863, 0.1946
Android (android.graphics.Color)	4291458284 (0xFFCA74EC)
YUV	155.3940, 39.7388, 40.8735
Hunter-Lab	55.7705, 48.8624, -49.1659

Details

The Yxy color **31.1035, 0.2863, 0.1946** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **67.7423, 0.3251, 0.4817**, and the grayscale version is **32.7769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6058, 0.3166, 0.2469**, and **12.8700, 0.2743, 0.1627** is the 20% darker color. If you saturate the color by 10%, you get **25.4284, 0.2790, 0.1705**, and if you desaturate by 10%, it is **38.2033, 0.2930, 0.2209**.

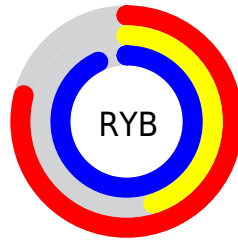
Distribution



Red (79%)

Green (45%)

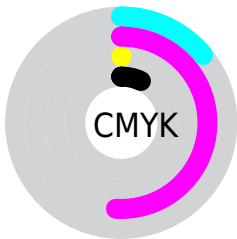
Blue (93%)



Red (79%)

Yellow (45%)

Blue (93%)

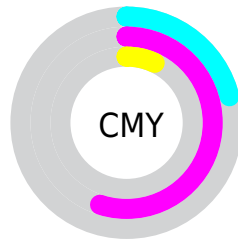


Cyan (14%)

Magenta (51%)

Yellow (0%)

Black (7%)



Cyan (21%)


Magenta (55%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1035, 0.2863, 0.1946 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 31.1035, 0.2863, 0.1946 by changing the saturation by 10% instead.


 31.1035, 0.2863,
0.1946


 31.1035, 0.2863,
0.1946


307.0149, 0.3024,
0.2575


 20.6777, 0.2816,
0.1805


 61.4030, 0.2927,
0.2163

 12.8886, 0.2752,
0.1634


 82.0454, 0.2949,
0.2248

 7.3519, 0.2663,
0.1423


 106.8622, 0.2968,
0.2321

 3.6831, 0.2533,
0.1161

136.2377, 0.2983,
0.2385

 1.4979, 0.2332,
0.0837

170.5563, 0.2996,
0.2441

 0.2873, 0.2032,
0.0324

210.2025, 0.3007,

 0.0000, 0.1376,

0.2491

0.0000

255.5605, 0.3016,
0.2535

0.0000, 0.0000,
0.0000

31.1035, 0.2863,
0.1946

31.1035, 0.2863,
0.1946

25.4284, 0.2790,
0.1705

38.2033, 0.2930,
0.2209

21.0667, 0.2714,
0.1498

46.8201, 0.2990,
0.2481

17.8968, 0.2636,
0.1333


57.0427, 0.3042,
0.2754

15.7716, 0.2560,
0.1217

68.9521, 0.3087,
0.3018

14.5240, 0.2493,
0.1147

82.6236, 0.3124,
0.3269

 96.4762, 0.3156,
0.3478

 97.6797, 0.3198,
0.3475

 98.8377, 0.3238,
0.3473

Harmonies

Analogous

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



31.1035, 0.1983, 0.1722



31.1035, 0.2863, 0.1946



31.1035, 0.4025, 0.2418

Triad

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



31.1035, 0.2863, 0.1946



31.1035, 0.4888, 0.4543



31.1035, 0.1521, 0.3114

Complementary

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



31.1035, 0.2863, 0.1946



67.7423, 0.3251, 0.4817

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.



31.1035, 0.2114, 0.4432



31.1035, 0.2863, 0.1946



31.1035, 0.4048, 0.5229

Square

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



31.1035, 0.2863, 0.1946



31.1035, 0.5303, 0.3773



31.1035, 0.3045, 0.5343



31.1035, 0.1334, 0.2201

Rectangle

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



31.1035, 0.2863, 0.1946



31.1035, 0.4739, 0.2832



31.1035, 0.3045, 0.5343



31.1035, 0.1671, 0.3532

Sweetspot

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



31.1048, 0.2863, 0.1946



75.9829, 0.3069, 0.2909



31.5725, 0.2238, 0.2126



15.6228, 0.3060, 0.2853



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.



31.1048, 0.2863, 0.1946



30.0799, 0.2787, 0.1696



34.9717, 0.3443, 0.2295



15.0873, 0.3093, 0.3055



8.0723, 0.2505, 0.1154



0.6820, 0.2606, 0.1209

Inverse Universe

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



32.5171, 0.4156, 0.2916



32.2656, 0.4501, 0.2863



65.6689, 0.2927, 0.4567



15.1241, 0.3248, 0.3224



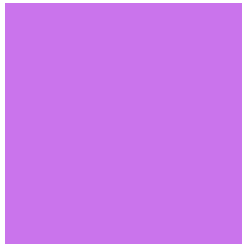
10.0706, 0.5819, 0.2979



0.8068, 0.5425, 0.2762

Previews

White Background



This preview shows how the Yxy color 31.1035, 0.2863, 0.1946 looks on a white background.

Color Contrast Check

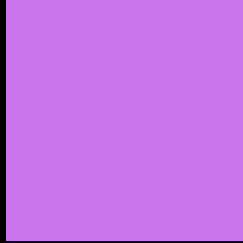
Large Text (above 18pt) WCAG AA × Fail

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 31.1035, 0.2863, 0.1946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

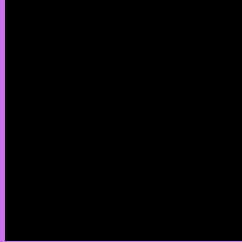
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1035, 0.2863, 0.1946

Background



This preview shows how black text looks on a background with the Yxy color 31.1035, 0.2863, 0.1946.



This preview shows how white text looks on a background with the Yxy color 31.1035, 0.2863, 0.1946.

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

31.1035, 0.2863, 0.1946

Protanopia

31.4640, 0.2097, 0.1908

Deuteranopia

31.4352, 0.2270, 0.2210



Tritanopia

31.1339, 0.3588, 0.3154

Trichromacy



Original Color

31.1035, 0.2863, 0.1946



Protanomaly

30.0484, 0.2304, 0.1884



Deuteranomaly

30.2062, 0.2441, 0.2066



Tritanomaly

30.7299, 0.3308, 0.2643

Monochromacy



Original Color

31.1035, 0.2863, 0.1946



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.2811, 0.3034, 0.2697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1035, 0.2863, 0.1946 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(202, 116, 236)` looks like.

```
.text, #text, p{  
    color:rgb(202, 116, 236)  
}
```

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(202, 116, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 116, 236) }
```

Border

The CSS property to change the border of an element to Yxy 31.1035, 0.2863, 0.1946 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(202, 116, 236) }
```

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

```
.border{ border-color:rgb(202, 116, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 116, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 116, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 116, 236);  
box-shadow:4px 4px 4px 4px rgb(202, 116,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1035, 0.2863, 0.1946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 116, 236) }
```

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

```
.background{ background-color: rgb(202,  
116, 236) }
```

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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