

Converting Colors

$Y_{xy}(31.3153, 0.2961, 0.1881)$

Have a look what the booklet for
Yxy(31.3153, 0.2961, 0.1881)
contains.

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Color

Yxy(31.1983, 0.2959, 0.1876)

Conversions

Conversions Part 1

Format	Color
Hex	D86AF0
RGB	216, 106, 240
RGB Percent	85%, 42%, 94%
CMY	0.1529, 0.5844, 0.0587
CMYK	0.10, 0.56, 0.00, 0.06
HSL	289°, 82%, 68%
HSV	289°, 56%, 94%
XYZ	49.2088, 31.1983, 85.8951
YIQ	154.1660, 22.5460, 64.9940

Conversions

Conversions Part 2

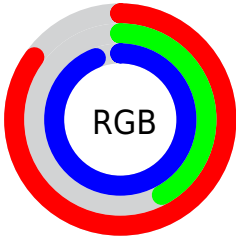
Format	Color
R _Y B	216, 106, 240
Decimal	14183152
CIE Lab	62.67, 62.37, -49.15
CIE LCh	63, 79.412, 321.760
Yxy	31.1983, 0.2959, 0.1876
Android (android.graphics.Color)	4292373232 (0xFFD86AF0)
YUV	154.1660, 42.3162, 54.2284
Hunter-Lab	55.8554, 59.5121, -52.0780

Details

The Yxy color **31.1983, 0.2959, 0.1876** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **68.1286, 0.3169, 0.5023**, and the grayscale version is **32.1941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3207, 0.3170, 0.2384**, and **12.8846, 0.2873, 0.1559** is the 20% darker color. If you saturate the color by 10%, you get **26.2799, 0.2914, 0.1671**, and if you desaturate by 10%, it is **37.5206, 0.3000, 0.2111**.

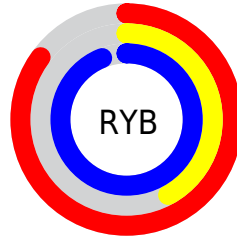
Distribution



Red (85%)

Green (42%)

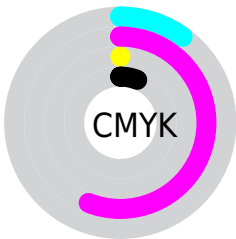
Blue (94%)



Red (85%)

Yellow (42%)

Blue (94%)

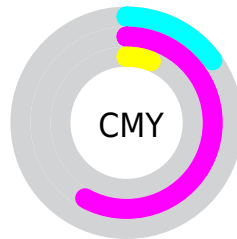


Cyan (10%)

Magenta (56%)

Yellow (0%)

Black (6%)



Cyan (15%)


Magenta (58%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1983, 0.2959, 0.1876 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 31.1983, 0.2959, 0.1876 by changing the saturation by 10% instead.


 31.1983, 0.2959,
0.1876


 31.1983, 0.2959,
0.1876


307.4508, 0.3075,
0.2528


 20.7499, 0.2922,
0.1732


 61.5521, 0.3008,
0.2099

 12.9413, 0.2871,
0.1559


 82.2264, 0.3024,
0.2187

 7.3881, 0.2798,
0.1348


 107.0780, 0.3037,
0.2263

 3.7060, 0.2688,
0.1090

 136.4914, 0.3048,
0.2329

 1.5105, 0.2515,
0.0777

170.8510, 0.3057,
0.2388

 0.2961, 0.2253,
0.0301

210.5412, 0.3064,

 0.0000, 0.1733,

0.2440

0.0000

255.9463, 0.3070,
0.2486

0.0000, 0.0000,
0.0000

31.1983, 0.2959,
0.1876

31.1983, 0.2959,
0.1876

26.2799, 0.2914,
0.1671

37.5206, 0.3000,
0.2111

22.6424, 0.2867,
0.1506

45.3480, 0.3037,
0.2365

20.1485, 0.2819,
0.1387

54.7770, 0.3068,
0.2629

18.6264, 0.2772,
0.1312

65.8946, 0.3095,
0.2891

18.1674, 0.2752,
0.1290

78.7818, 0.3117,
0.3147

93.5143, 0.3134,
0.3389

97.4289, 0.3158,
0.3436

98.2163, 0.3185,
0.3435

99.0217, 0.3212,
0.3434

Harmonies

Analogous

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



31.1983, 0.1960, 0.1606



31.1983, 0.2959, 0.1876



31.1983, 0.4267, 0.2402

Triad

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



31.1983, 0.2959, 0.1876



31.1983, 0.4926, 0.4694



31.1983, 0.1332, 0.2926

Complementary

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



31.1983, 0.2959, 0.1876



68.1286, 0.3169, 0.5023

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.



31.1983, 0.1900, 0.4409



31.1983, 0.2959, 0.1876



31.1983, 0.3961, 0.5473

Square

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



31.1983, 0.2959, 0.1876



31.1983, 0.5491, 0.3849



31.1983, 0.2872, 0.5559



31.1983, 0.1193, 0.2007

Rectangle

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



31.1983, 0.2959, 0.1876



31.1983, 0.5031, 0.2850



31.1983, 0.2872, 0.5559



31.1983, 0.1469, 0.3376

Sweetspot

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



31.1996, 0.2959, 0.1876



73.9486, 0.3092, 0.2860



25.4712, 0.2108, 0.1806



15.2540, 0.3087, 0.2807



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.



31.1996, 0.2959, 0.1876



29.4931, 0.2908, 0.1646



32.8946, 0.3635, 0.2334



15.8798, 0.3109, 0.3055



9.9948, 0.2760, 0.1294



0.8685, 0.2822, 0.1328

Inverse Universe

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



30.4482, 0.4504, 0.3039



28.8563, 0.4970, 0.3019



67.5573, 0.2851, 0.4533



15.8051, 0.3265, 0.3248



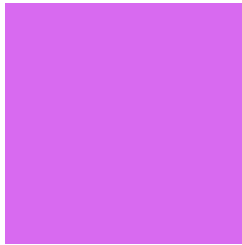
10.2503, 0.6127, 0.3149



0.8657, 0.5785, 0.2961

Previews

White Background



This preview shows how the Yxy color 31.1983, 0.2959, 0.1876 looks on a white background.

Color Contrast Check

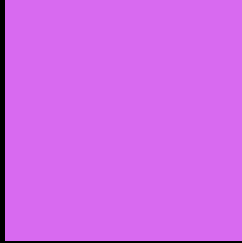
Large Text (above 18pt) WCAG AA × Fail

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 31.1983, 0.2959, 0.1876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

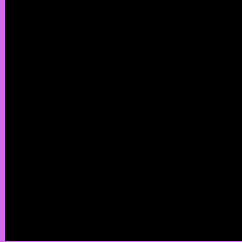
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1983, 0.2959, 0.1876

Background



This preview shows how black text looks on a background with the Yxy color 31.1983, 0.2959, 0.1876.



This preview shows how white text looks on a background with the Yxy color 31.1983, 0.2959, 0.1876.

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

31.1983, 0.2959, 0.1876

Protanopia

31.7791, 0.2100, 0.1921

Deuteranopia

31.4701, 0.2243, 0.2176



Tritanopia

31.1520, 0.3833, 0.3162

Trichromacy



Original Color

31.1983, 0.2959, 0.1876



Protanomaly

29.7882, 0.2322, 0.1844



Deuteranomaly

29.8101, 0.2440, 0.2008



Tritanomaly

30.7902, 0.3491, 0.2613

Monochromacy



Original Color

31.1983, 0.2959, 0.1876



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.7412, 0.3075, 0.2638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1983, 0.2959, 0.1876 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(216, 106, 240)` looks like.

```
.text, #text, p{  
    color:rgb(216, 106, 240)  
}
```

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(216, 106, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 106, 240) }
```

Border

The CSS property to change the border of an element to Yxy 31.1983, 0.2959, 0.1876 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(216, 106, 240) }
```

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

```
.border{ border-color:rgb(216, 106, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 106, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 106, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 106, 240);  
box-shadow:4px 4px 4px 4px rgb(216, 106,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1983, 0.2959, 0.1876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 106, 240) }
```

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

```
.background{ background-color: rgb(216,  
106, 240) }
```

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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