

Converting Colors

$Y_{xy}(31.9525, 0.2944, 0.1863)$

Have a look what the booklet for
Yxy(31.9525, 0.2944, 0.1863)
contains.

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Color

Yxy(31.9525, 0.2944, 0.1863)

Conversions

Conversions Part 1

Format	Color
Hex	DA6BF4
RGB	218, 107, 244
RGB Percent	85%, 42%, 96%
CMY	0.1451, 0.5803, 0.0433
CMYK	0.11, 0.56, 0.00, 0.04
HSL	289°, 86%, 69%
HSV	289°, 56%, 96%
XYZ	50.4928, 31.9525, 89.0657
YIQ	155.8070, 22.1790, 66.1390

Conversions

Conversions Part 2

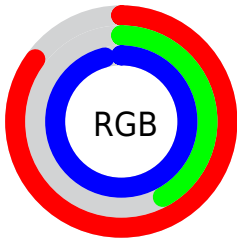
Format	Color
RYB	218, 107, 244
Decimal	14314484
CIELab	63.30, 63.12, -50.31
CIElCh	63, 80.723, 321.442
Yxy	31.9525, 0.2944, 0.1863
Android (android.graphics.Color)	4292504564 (0xFFDA6BF4)
YUV	155.8070, 43.4791, 54.5433
Hunter-Lab	56.5265, 60.5253, -53.8513

Details

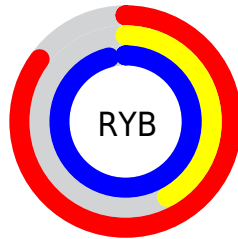
The Yxy color **31.9525, 0.2944, 0.1863** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **70.7290, 0.3177, 0.5030**, and the grayscale version is **32.9539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6744, 0.3169, 0.2394**, and **13.3426, 0.2853, 0.1547** is the 20% darker color. If you saturate the color by 10%, you get **26.8595, 0.2896, 0.1657**, and if you desaturate by 10%, it is **38.5028, 0.2988, 0.2099**.

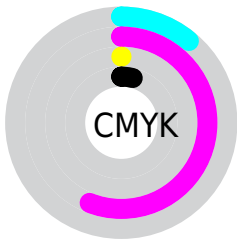
Distribution



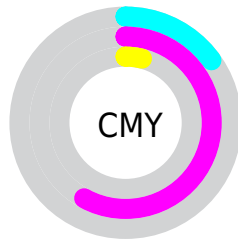
- Red (85%)
- Green (42%)
- Blue (96%)



- Red (85%)
- Yellow (42%)
- Blue (96%)



- Cyan (11%)
- Magenta (56%)
- Yellow (0%)
- Black (4%)





- Cyan (15%)
- Magenta (58%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9525, 0.2944, 0.1863 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 31.9525, 0.2944, 0.1863 by changing the saturation by 10% instead.


 31.9525, 0.2944,
0.1863


 31.9525, 0.2944,
0.1863


310.9028, 0.3068,
0.2517


 21.3252, 0.2906,
0.1720


 62.7366, 0.2995,
0.2086

 13.3619, 0.2853,
0.1548


 83.6622, 0.3013,
0.2174

 7.6782, 0.2778,
0.1339


 108.7894, 0.3027,
0.2250

 3.8898, 0.2666,
0.1085

 138.5026, 0.3038,
0.2317

 1.6121, 0.2493,
0.0777

173.1861, 0.3048,
0.2376

 0.3657, 0.2227,
0.0342

213.2244, 0.3056,

 0.0000, 0.1738,

0.2428

0.0000

259.0018, 0.3062,
0.2475

0.0000, 0.0000,
0.0000

31.9525, 0.2944,
0.1863

31.9525, 0.2944,
0.1863

26.8595, 0.2896,
0.1657

38.5028, 0.2988,
0.2099

23.0954, 0.2846,
0.1491

46.6162, 0.3028,
0.2355

20.5164, 0.2795,
0.1371

56.3933, 0.3062,
0.2619

18.9418, 0.2744,
0.1296

67.9251, 0.3091,
0.2883

18.4926, 0.2725,
0.1275

81.2959, 0.3115,
0.3139

 96.5845, 0.3134,
0.3382

 98.4444, 0.3162,
0.3397

 99.3095, 0.3191,
0.3396

Harmonies

Analogous

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



31.9525, 0.1944, 0.1595



31.9525, 0.2944, 0.1863



31.9525, 0.4262, 0.2389

Triad

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



31.9525, 0.2944, 0.1863



31.9525, 0.4943, 0.4689



31.9525, 0.1324, 0.2934

Complementary

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



31.9525, 0.2944, 0.1863



70.7290, 0.3177, 0.5030

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.



31.9525, 0.1899, 0.4436



31.9525, 0.2944, 0.1863



31.9525, 0.3973, 0.5481

Square

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



31.9525, 0.2944, 0.1863



31.9525, 0.5509, 0.3839



31.9525, 0.2878, 0.5586



31.9525, 0.1181, 0.2004

Rectangle

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



31.9525, 0.2944, 0.1863



31.9525, 0.5036, 0.2837



31.9525, 0.2878, 0.5586



31.9525, 0.1463, 0.3391

Sweetspot

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



31.9539, 0.2944, 0.1863



73.8657, 0.3089, 0.2860



26.8216, 0.2108, 0.1826



15.2342, 0.3083, 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.



31.9539, 0.2944, 0.1863



29.2070, 0.2891, 0.1638



34.0538, 0.3613, 0.2308



16.6002, 0.3107, 0.3055



10.1154, 0.2733, 0.1279



0.9290, 0.2796, 0.1314

Inverse Universe

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



31.4411, 0.4498, 0.3022



28.8980, 0.4945, 0.3002



69.9491, 0.2861, 0.4573



16.5339, 0.3264, 0.3245



10.5811, 0.6103, 0.3135



0.9436, 0.5775, 0.2955

Previews

White Background



This preview shows how the Yxy color 31.9525, 0.2944, 0.1863 looks on a white background.

Color Contrast Check

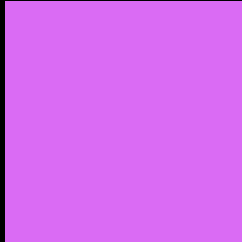
Large Text (above 18pt) WCAG AA × Fail

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 31.9525, 0.2944, 0.1863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

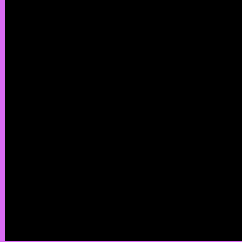
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9525, 0.2944, 0.1863

Background



This preview shows how black text looks on a background with the Yxy color 31.9525, 0.2944, 0.1863.



This preview shows how white text looks on a background with the Yxy color 31.9525, 0.2944, 0.1863.

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

31.9525, 0.2944, 0.1863

Protanopia

32.2839, 0.2118, 0.1939

Deuteranopia

32.3493, 0.2230, 0.2163



Tritanopia

31.9012, 0.3813, 0.3162

Trichromacy



Original Color

31.9525, 0.2944, 0.1863



Protanomaly

30.4048, 0.2339, 0.1856



Deuteranomaly

30.4196, 0.2426, 0.1986



Tritanomaly

31.2659, 0.3478, 0.2605

Monochromacy



Original Color

31.9525, 0.2944, 0.1863



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.3915, 0.3067, 0.2619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9525, 0.2944, 0.1863 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(218, 107, 244)` looks like.

```
.text, #text, p{  
    color:rgb(218, 107, 244)  
}
```

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(218, 107, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 107, 244) }
```

Border

The CSS property to change the border of an element to Yxy 31.9525, 0.2944, 0.1863 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(218, 107, 244) }
```

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

```
.border{ border-color:rgb(218, 107, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 107, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 107, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 107, 244);  
box-shadow:4px 4px 4px 4px rgb(218, 107,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9525, 0.2944, 0.1863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 107, 244) }
```

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

```
.background{ background-color: rgb(218,  
107, 244) }
```

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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