

Converting Colors

$Y_{xy}(29.3207, 0.3151, 0.2014)$

Have a look what the booklet for
Yxy(29.3207, 0.3151, 0.2014)
contains.

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Color

Yxy(29.4139, 0.3155, 0.2020)

Conversions

Conversions Part 1

Format	Color
Hex	D867DB
RGB	216, 103, 219
RGB Percent	85%, 40%, 86%
CMY	0.1531, 0.5959, 0.1413
CMYK	0.01, 0.53, 0.00, 0.14
HSL	298°, 62%, 63%
HSV	298°, 53%, 86%
XYZ	45.9410, 29.4139, 70.2584
YIQ	150.0110, 30.1120, 60.0320

Conversions

Conversions Part 2

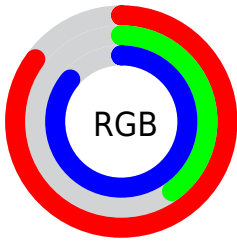
Format	Color
R _Y B	216, 103, 219
Decimal	14182363
CIE Lab	61.15, 59.87, -39.82
CIE LCh	61, 71.904, 326.375
Yxy	29.4139, 0.3155, 0.2020
Android (android.graphics.Color)	4292372443 (0xFFD867DB)
YUV	150.0110, 34.0116, 57.8724
Hunter-Lab	54.2346, 56.2932, -38.8433

Details

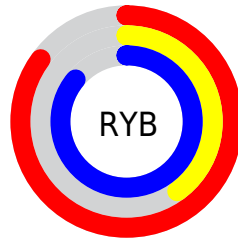
The Yxy color **29.4139, 0.3155, 0.2020** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **54.7013, 0.3065, 0.4970**, and the grayscale version is **30.3530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9337, 0.3171, 0.2347**, and **11.9034, 0.3113, 0.1702** is the 20% darker color. If you saturate the color by 10%, you get **25.5251, 0.3156, 0.1836**, and if you desaturate by 10%, it is **34.4463, 0.3152, 0.2235**.

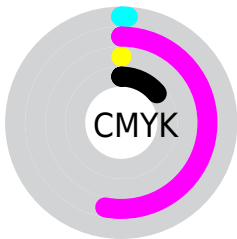
Distribution



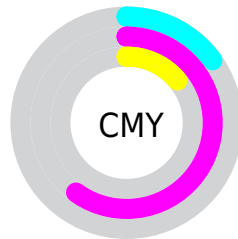
- Red (85%)
- Green (40%)
- Blue (86%)



- Red (85%)
- Yellow (40%)
- Blue (86%)



- Cyan (1%)
- Magenta (53%)
- Yellow (0%)
- Black (14%)





- Cyan (15%)
- Magenta (60%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4139, 0.3155, 0.2020 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 29.4139, 0.3155, 0.2020 by changing the saturation by 10% instead.


 29.4139, 0.3155,
0.2020


 29.4139, 0.3155,
0.2020


299.1629, 0.3167,
0.2623


 19.3942, 0.3144,
0.1882

 58.7341, 0.3165,
0.2230


 11.9554, 0.3126,
0.1712


 78.8032, 0.3167,
0.2312

 6.7133, 0.3095,
0.1501

 102.9910, 0.3169,
0.2382

 3.2835, 0.3040,
0.1233

 131.6818, 0.3169,
0.2443

 1.2815, 0.2935,
0.0894

165.2600, 0.3169,
0.2496

 0.1268, 0.2804,
0.0195

204.1100, 0.3168,


 0.0000, 0.2155,


0.2543


0.0000


248.6161, 0.3168,
0.2585


 0.0000, 0.0000,
0.0000


 29.4139, 0.3155,
0.2020

 29.4139, 0.3155,
0.2020


 25.5251, 0.3156,
0.1836

 34.4463, 0.3152,
0.2235


 22.6849, 0.3155,
0.1691


 40.6995, 0.3148,
0.2472


 20.7896, 0.3152,
0.1588

 48.2488, 0.3143,
0.2720

 19.7127, 0.3147,
0.1528

 57.1620, 0.3136,
0.2972

 19.2972, 0.3143,
0.1505

 67.5024, 0.3129,
0.3219

■ 79.3292, 0.3122,
0.3456

■ 91.8420, 0.3116,
0.3666

■ 91.9314, 0.3119,
0.3666

■ 92.0212, 0.3123,
0.3666

Harmonies

Analogous

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



29.4139, 0.2153, 0.1720



29.4139, 0.3155, 0.2020



29.4139, 0.4366, 0.2556

Triad

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



29.4139, 0.3155, 0.2020



29.4139, 0.4723, 0.4770



29.4139, 0.1394, 0.2797

Complementary

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



29.4139, 0.3155, 0.2020



54.7013, 0.3065, 0.4970

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.



29.4139, 0.1879, 0.4100



29.4139, 0.3155, 0.2020



29.4139, 0.3792, 0.5402

Square

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



29.4139, 0.3155, 0.2020



29.4139, 0.5305, 0.3975



29.4139, 0.2760, 0.5267



29.4139, 0.1305, 0.2013

Rectangle

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



29.4139, 0.3155, 0.2020



29.4139, 0.5015, 0.2997



29.4139, 0.2760, 0.5267



29.4139, 0.1507, 0.3185

Sweetspot

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



29.4152, 0.3155, 0.2020



76.4727, 0.3138, 0.2892



18.4981, 0.2120, 0.1660



15.8025, 0.3140, 0.2839



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.



29.4152, 0.3155, 0.2020



35.2993, 0.3156, 0.1810



27.4800, 0.3817, 0.2568



13.2566, 0.3134, 0.3059



11.4528, 0.3144, 0.1506



0.7476, 0.3156, 0.1512

Inverse Universe

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



25.8101, 0.4631, 0.3259



29.7255, 0.5170, 0.3259



55.9778, 0.2767, 0.4183



13.0570, 0.3288, 0.3284



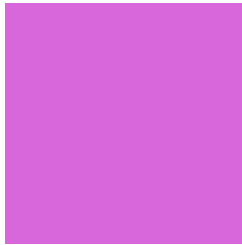
8.9398, 0.6371, 0.3283



0.5812, 0.6281, 0.3234

Previews

White Background



This preview shows how the Yxy color 29.4139, 0.3155, 0.2020 looks on a white background.

Color Contrast Check

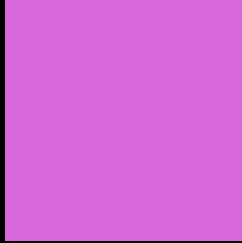
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4139, 0.3155, 0.2020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

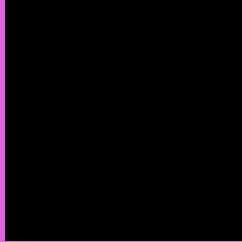
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4139, 0.3155, 0.2020

Background



This preview shows how black text looks on a background with the Yxy color 29.4139, 0.3155, 0.2020.

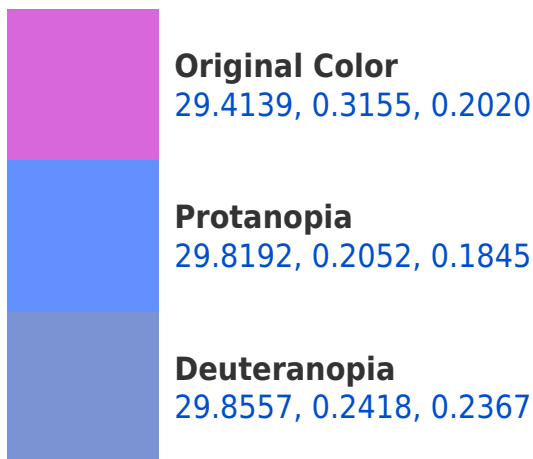


This preview shows how white text looks on a background with the Yxy color 29.4139, 0.3155, 0.2020.

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





Tritanopia

29.3676, 0.3981, 0.3176

Trichromacy



Original Color

29.4139, 0.3155, 0.2020



Protanomaly

27.8621, 0.2329, 0.1852



Deuteranomaly

28.2557, 0.2634, 0.2179



Tritanomaly

28.9945, 0.3668, 0.2696

Monochromacy



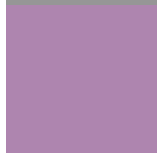
Original Color

29.4139, 0.3155, 0.2020



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.8689, 0.3144, 0.2703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4139, 0.3155, 0.2020 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, 103, 219)` looks like.

```
.text, #text, p{  
    color:rgb(216, 103, 219)  
}
```

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, 103, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 103, 219) }
```

Border

The CSS property to change the border of an element to Yxy 29.4139, 0.3155, 0.2020 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, 103, 219) }
```

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

```
.border{ border-color:rgb(216, 103, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 103, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 103, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 103, 219);  
box-shadow:4px 4px 4px 4px rgb(216, 103,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4139, 0.3155, 0.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 103, 219) }
```

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

```
.background{ background-color: rgb(216,  
103, 219) }
```

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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