

Converting Colors

$Y_{xy}(29.2543, 0.3008, 0.1935)$

Have a look what the booklet for
Yxy(29.2543, 0.3008, 0.1935)
contains.

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Color

Yxy(29.4062, 0.3008, 0.1938)

Conversions

Conversions Part 1

Format	Color
Hex	D269E4
RGB	210, 105, 228
RGB Percent	82%, 41%, 89%
CMY	0.1764, 0.5883, 0.1058
CMYK	0.08, 0.54, 0.00, 0.11
HSL	291°, 70%, 65%
HSV	291°, 54%, 89%
XYZ	45.6418, 29.4062, 76.6868
YIQ	150.4170, 23.0970, 60.5130

Conversions

Conversions Part 2

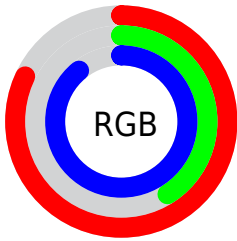
Format	Color
R _Y B	210, 105, 228
Decimal	13789668
CIE Lab	61.14, 59.05, -44.95
CIE LCh	61, 74.209, 322.722
Yxy	29.4062, 0.3008, 0.1938
Android (android.graphics.Color)	4291979748 (0xFFD269E4)
YUV	150.4170, 38.2484, 52.2543
Hunter-Lab	54.2275, 55.3406, -45.8868

Details

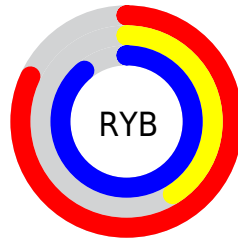
The Yxy color **29.4062, 0.3008, 0.1938** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **60.7290, 0.3146, 0.4968**, and the grayscale version is **30.5116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **11.9475, 0.2937, 0.1618** is the 20% darker color. If you saturate the color by 10%, you get **24.8853, 0.2974, 0.1734**, and if you desaturate by 10%, it is **35.1847, 0.3039, 0.2171**.

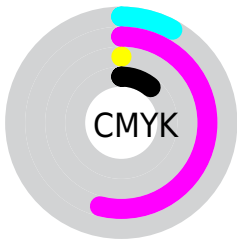
Distribution



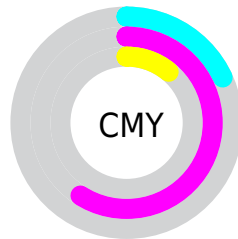
- Red (82%)
- Green (41%)
- Blue (89%)



- Red (82%)
- Yellow (41%)
- Blue (89%)



- Cyan (8%)
- Magenta (54%)
- Yellow (0%)
- Black (11%)





- Cyan (18%)
- Magenta (59%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4062, 0.3008, 0.1938 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 29.4062, 0.3008, 0.1938 by changing the saturation by 10% instead.


 29.4062, 0.3008,
0.1938


 29.4062, 0.3008,
0.1938


299.1267, 0.3098,
0.2573

 19.3883, 0.2977,
0.1795

 58.7218, 0.3047,
0.2158


 11.9512, 0.2934,
0.1620


 78.7884, 0.3060,
0.2244

 6.7105, 0.2869,
0.1404


 102.9733, 0.3070,
0.2318

 3.2817, 0.2769,
0.1136

 131.6609, 0.3078,
0.2382

 1.2805, 0.2602,
0.0804

165.2357, 0.3085,
0.2439

 0.1260, 0.2369,
0.0167


204.0820, 0.3090,


 0.0000, 0.1662,


0.2489


0.0000


248.5842, 0.3094,
0.2534


 0.0000, 0.0000,
0.0000

 29.4062, 0.3008,
0.1938


 29.4062, 0.3008,
0.1938


 24.8853, 0.2974,
0.1734

 35.1847, 0.3039,
0.2171

 21.5162, 0.2937,
0.1567


 42.3078, 0.3066,
0.2423

 19.1820, 0.2899,
0.1445

 50.8592, 0.3089,
0.2683

 17.7390, 0.2860,
0.1367

 60.9144, 0.3107,
0.2942

 17.1616, 0.2837,
0.1337

 72.5440, 0.3122,
0.3194

■ 85.8137, 0.3134,
0.3432

■ 94.5094, 0.3148,
0.3563

■ 95.0772, 0.3169,
0.3561

■ 95.6557, 0.3190,
0.3559

Harmonies

Analogous

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



29.4062, 0.2030, 0.1666



29.4062, 0.3008, 0.1938



29.4062, 0.4257, 0.2458

Triad

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



29.4062, 0.3008, 0.1938



29.4062, 0.4851, 0.4694



29.4062, 0.1387, 0.2914

Complementary

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



29.4062, 0.3008, 0.1938



60.7290, 0.3146, 0.4968

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.



29.4062, 0.1932, 0.4306



29.4062, 0.3008, 0.1938



29.4062, 0.3921, 0.5406

Square

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



29.4062, 0.3008, 0.1938



29.4062, 0.5394, 0.3880



29.4062, 0.2866, 0.5421



29.4062, 0.1256, 0.2044

Rectangle

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



29.4062, 0.3008, 0.1938



29.4062, 0.4973, 0.2898



29.4062, 0.2866, 0.5421



29.4062, 0.1519, 0.3337

Sweetspot

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



29.4075, 0.3008, 0.1938



75.5602, 0.3104, 0.2887



22.8790, 0.2136, 0.1812



15.5826, 0.3100, 0.2834



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.



29.4075, 0.3008, 0.1938



31.3551, 0.2969, 0.1707



30.0979, 0.3659, 0.2404



14.5028, 0.3115, 0.3057



9.9479, 0.2843, 0.1340



0.7644, 0.2900, 0.1371

Inverse Universe

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



28.0263, 0.4482, 0.3092



29.6498, 0.4960, 0.3074



60.6420, 0.2836, 0.4418



14.4022, 0.3270, 0.3256



9.5993, 0.6197, 0.3188



0.7202, 0.5846, 0.2994

Previews

White Background



This preview shows how the Yxy color 29.4062, 0.3008, 0.1938 looks on a white background.

Color Contrast Check

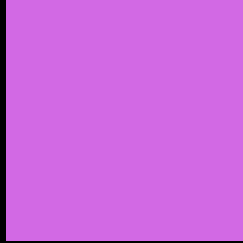
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4062, 0.3008, 0.1938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

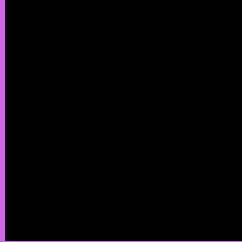
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4062, 0.3008, 0.1938

Background



This preview shows how black text looks on a background with the Yxy color 29.4062, 0.3008, 0.1938.

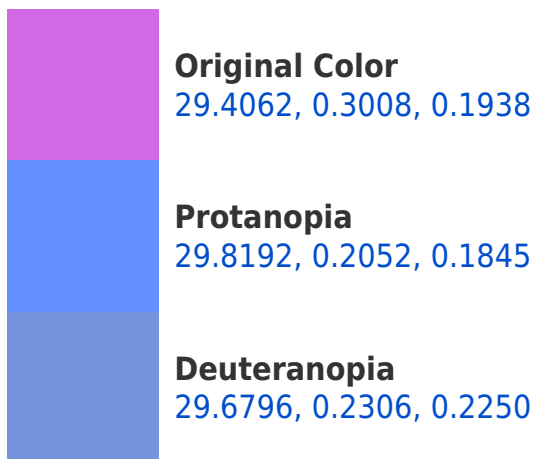


This preview shows how white text looks on a background with the Yxy color 29.4062, 0.3008, 0.1938.

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

29.2791, 0.3840, 0.3159

Trichromacy



Original Color

29.4062, 0.3008, 0.1938



Protanomaly

28.0468, 0.2293, 0.1832



Deuteranomaly

28.3143, 0.2512, 0.2083



Tritanomaly

28.9298, 0.3511, 0.2643

Monochromacy



Original Color

29.4062, 0.3008, 0.1938



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

29.0352, 0.3093, 0.2674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4062, 0.3008, 0.1938 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(210, 105, 228)` looks like.

```
.text, #text, p{  
    color:rgb(210, 105, 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(210, 105, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 105, 228) }
```

Border

The CSS property to change the border of an element to Yxy 29.4062, 0.3008, 0.1938 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(210, 105, 228) }
```

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

```
.border{ border-color:rgb(210, 105, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 105, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(210, 105, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(210, 105, 228); box-shadow:4px 4px 4px 4px rgb(210, 105, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4062, 0.3008, 0.1938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 105, 228) }
```

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

```
.background{ background-color: rgb(210,  
105, 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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