

Converting Colors

$Y_{xy}(30.1061, 0.3224, 0.2077)$

Have a look what the booklet for
Yxy(30.1061, 0.3224, 0.2077)
contains.

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Color

Yxy(30.1211, 0.3216, 0.2076)

Conversions

Conversions Part 1

Format	Color
Hex	DB69D8
RGB	219, 105, 216
RGB Percent	86%, 41%, 85%
CMY	0.1411, 0.5882, 0.1530
CMYK	0.00, 0.52, 0.01, 0.14
HSL	302°, 61%, 64%
HSV	302°, 52%, 86%
XYZ	46.6616, 30.1211, 68.3093
YIQ	151.7400, 32.3130, 58.6890

Conversions

Conversions Part 2

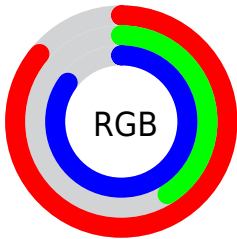
Format	Color
R _Y B	219, 105, 216
Decimal	14379480
CIE Lab	61.76, 59.27, -37.15
CIE LCh	62, 69.949, 327.923
Yxy	30.1211, 0.3216, 0.2076
Android (android.graphics.Color)	4292569560 (0xFFDB69D8)
YUV	151.7400, 31.6802, 58.9870
Hunter-Lab	54.8827, 55.7170, -35.3770

Details

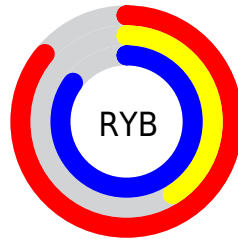
The Yxy color **30.1211, 0.3216, 0.2076** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **54.7586, 0.3035, 0.4906**, and the grayscale version is **31.1326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **12.3469, 0.3198, 0.1776** is the 20% darker color. If you saturate the color by 10%, you get **26.1909, 0.3232, 0.1897**, and if you desaturate by 10%, it is **35.2027, 0.3199, 0.2286**.

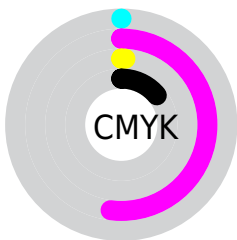
Distribution



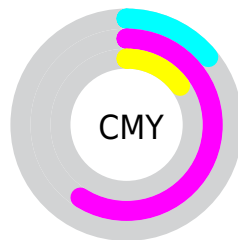
- Red (86%)
- Green (41%)
- Blue (85%)



- Red (86%)
- Yellow (41%)
- Blue (85%)



- Cyan (0%)
- Magenta (52%)
- Yellow (1%)
- Black (14%)





- Cyan (14%)
- Magenta (59%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1211, 0.3216, 0.2076 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 30.1211, 0.3216, 0.2076 by changing the saturation by 10% instead.


 30.1211, 0.3216,
0.2076


 30.1211, 0.3216,
0.2076


302.4685, 0.3195,
0.2654


 19.9305, 0.3214,
0.1943


 59.8536, 0.3213,
0.2278

 12.3446, 0.3208,
0.1779


 80.1644, 0.3211,
0.2356

 6.9788, 0.3194,
0.1573


 104.6173, 0.3208,
0.2423

 3.4488, 0.3162,
0.1310

 133.5968, 0.3205,
0.2482

 1.3703, 0.3092,
0.0973

167.4873, 0.3203,
0.2533

 0.1947, 0.3007,
0.0307

206.6732, 0.3200,

 0.0000, 0.2483,

0.2578

0.0000

251.5388, 0.3197,
0.2618

■ 0.0000, 0.0000,
0.0000

■ 30.1211, 0.3216,
0.2076

■ 30.1211, 0.3216,
0.2076

■ 26.1909, 0.3232,
0.1897

■ 35.2027, 0.3199,
0.2286

■ 23.3180, 0.3247,
0.1755

■ 41.5123, 0.3181,
0.2516

■ 21.4002, 0.3260,
0.1656

■ 49.1243, 0.3163,
0.2758

■ 20.3133, 0.3270,
0.1600

■ 58.1065, 0.3146,
0.3002

■ 19.8766, 0.3277,
0.1579

■ 68.5216, 0.3130,
0.3242

■ 80.4287, 0.3116,
0.3472

■ 91.7534, 0.3104,
0.3655

■ 91.7844, 0.3100,
0.3649

■ 91.8154, 0.3097,
0.3643

Harmonies

Analogous

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



30.1211, 0.2224, 0.1769



30.1211, 0.3216, 0.2076



30.1211, 0.4381, 0.2611

Triad

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



30.1211, 0.3216, 0.2076



30.1211, 0.4648, 0.4781



30.1211, 0.1427, 0.2767

Complementary

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



30.1211, 0.3216, 0.2076



54.7586, 0.3035, 0.4906

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.



30.1211, 0.1885, 0.4001



30.1211, 0.3216, 0.2076



30.1211, 0.3736, 0.5351

Square

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



30.1211, 0.3216, 0.2076



30.1211, 0.5228, 0.4013



30.1211, 0.2731, 0.5151



30.1211, 0.1354, 0.2027

Rectangle

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



30.1211, 0.3216, 0.2076



30.1211, 0.4989, 0.3048



30.1211, 0.2731, 0.5151



30.1211, 0.1533, 0.3134

Sweetspot

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



30.1225, 0.3216, 0.2076



76.6047, 0.3153, 0.2903



18.3375, 0.2142, 0.1644



15.8344, 0.3157, 0.2852



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.



30.1225, 0.3216, 0.2076



36.7430, 0.3233, 0.1889



27.7072, 0.3875, 0.2643



13.2686, 0.3142, 0.3066



11.7865, 0.3276, 0.1579



0.7655, 0.3265, 0.1572

Inverse Universe

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



30.1225, 0.3216, 0.2076



36.7430, 0.3233, 0.1889



56.3523, 0.2740, 0.4079



13.2686, 0.3142, 0.3066



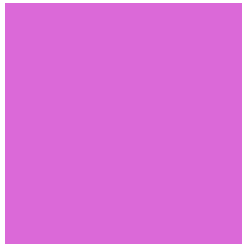
11.7865, 0.3276, 0.1579



0.7655, 0.3265, 0.1572

Previews

White Background



This preview shows how the Yxy color 30.1211, 0.3216, 0.2076 looks on a white background.

Color Contrast Check

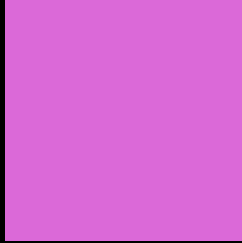
Large Text (above 18pt) WCAG AA × Fail

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 30.1211, 0.3216, 0.2076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

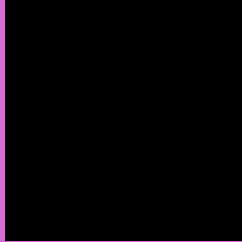
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.1211, 0.3216, 0.2076

Background



This preview shows how black text looks on a background with the Yxy color 30.1211, 0.3216, 0.2076.



This preview shows how white text looks on a background with the Yxy color 30.1211, 0.3216, 0.2076.

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

30.1211, 0.3216, 0.2076

Protanopia

30.5870, 0.2107, 0.1916

Deuteranopia

30.4797, 0.2483, 0.2427



Tritanopia

29.9438, 0.4026, 0.3178

Trichromacy



Original Color

30.1211, 0.3216, 0.2076



Protanomaly

28.6087, 0.2392, 0.1924



Deuteranomaly

28.8871, 0.2703, 0.2237



Tritanomaly

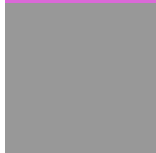
29.7833, 0.3722, 0.2729

Monochromacy



Original Color

30.1211, 0.3216, 0.2076



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.6532, 0.3164, 0.2735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1211, 0.3216, 0.2076 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(219, 105, 216)` looks like.

```
.text, #text, p{  
    color:rgb(219, 105, 216)  
}
```

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(219, 105, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 105, 216) }
```

Border

The CSS property to change the border of an element to Yxy 30.1211, 0.3216, 0.2076 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(219, 105, 216) }
```

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

```
.border{ border-color:rgb(219, 105, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 105, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 105, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 105, 216);  
box-shadow:4px 4px 4px 4px rgb(219, 105,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1211, 0.3216, 0.2076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 105, 216) }
```

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

```
.background{ background-color: rgb(219,  
105, 216) }
```

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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