

Converting Colors

$Y_{xy}(28.5308, 0.3429, 0.2309)$

Have a look what the booklet for
Yxy(28.5308, 0.3429, 0.2309)
contains.

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Color

Yxy(28.5731, 0.3432, 0.2313)

Conversions

Conversions Part 1

Format	Color
Hex	D66BBF
RGB	214, 107, 191
RGB Percent	84%, 42%, 75%
CMY	0.1607, 0.5804, 0.2510
CMYK	0.00, 0.50, 0.11, 0.16
HSL	313°, 57%, 63%
HSV	313°, 50%, 84%
XYZ	42.3964, 28.5731, 52.5631
YIQ	148.5690, 36.8080, 48.8080

Conversions

Conversions Part 2

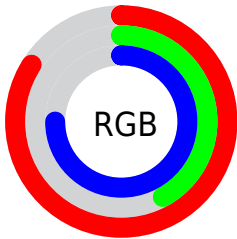
Format	Color
R _Y B	214, 107, 191
Decimal	14052287
CIE Lab	60.40, 52.71, -25.16
CIE LCh	60, 58.408, 334.480
Yxy	28.5731, 0.3432, 0.2313
Android (android.graphics.Color)	4292242367 (0xFFD66BBF)
YUV	148.5690, 20.9185, 57.3830
Hunter-Lab	53.4538, 48.0315, -20.8844

Details

The Yxy color **28.5731, 0.3432, 0.2313** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **52.8417, 0.2931, 0.4535**, and the grayscale version is **29.7637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.8780, 0.3226, 0.2444**, and **11.5204, 0.3512, 0.2055** is the 20% darker color. If you saturate the color by 10%, you get **24.4513, 0.3513, 0.2151**, and if you desaturate by 10%, it is **33.8082, 0.3356, 0.2498**.

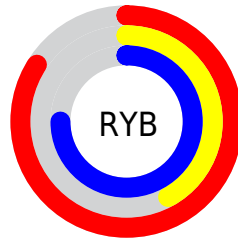
Distribution



Red (84%)

Green (42%)

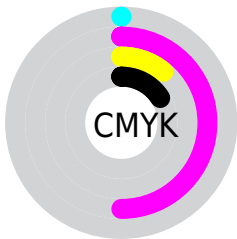
Blue (75%)



Red (84%)

Yellow (42%)

Blue (75%)

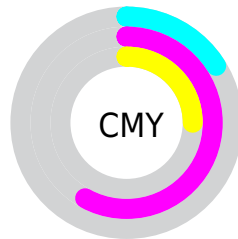


Cyan (0%)

Magenta (50%)

Yellow (11%)

Black (16%)



Cyan (16%)


Magenta (58%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5731, 0.3432, 0.2313 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 28.5731, 0.3432, 0.2313 by changing the saturation by 10% instead.


 28.5731, 0.3432,
0.2313


 28.5731, 0.3432,
0.2313

295.1954, 0.3287,
0.2796

 18.7581, 0.3465,
0.2196


 57.3981, 0.3381,
0.2486


 11.4956, 0.3506,
0.2047


 77.1770, 0.3362,
0.2552

 6.4012, 0.3557,
0.1855


 101.0459, 0.3345,
0.2608

 3.0906, 0.3620,
0.1597

 129.3893, 0.3330,
0.2656

 1.1792, 0.3697,
0.1242

162.5915, 0.3317,
0.2698

 0.0446, 0.4024,
0.0126

201.0370, 0.3306,


 0.0000, 0.3149,


0.2734


0.0000


245.1102, 0.3296,
0.2767


 0.0000, 0.0000,
0.0000


 28.5731, 0.3432,
0.2313


 28.5731, 0.3432,
0.2313


 24.4513, 0.3513,
0.2151

 33.8082, 0.3356,
0.2498

 21.3556, 0.3598,
0.2022


 40.2271, 0.3288,
0.2696


 19.1927, 0.3684,
0.1935

 47.8992, 0.3226,
0.2898

 17.8502, 0.3768,
0.1894

 56.8875, 0.3173,
0.3097

 17.1250, 0.3849,
0.1894

 67.2506, 0.3127,
0.3290

■ 79.0436, 0.3088,
0.3472

■ 91.1594, 0.3055,
0.3624

■ 91.4116, 0.3030,
0.3575

■ 91.6706, 0.3004,
0.3525

Harmonies

Analogous

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



28.5731, 0.2513, 0.1985



28.5731, 0.3432, 0.2313



28.5731, 0.4390, 0.2834

Triad

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



28.5731, 0.3432, 0.2313



28.5731, 0.4339, 0.4760



28.5731, 0.1589, 0.2686

Complementary

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



28.5731, 0.3432, 0.2313



52.8417, 0.2931, 0.4535

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.



28.5731, 0.1938, 0.3655



28.5731, 0.3432, 0.2313



28.5731, 0.3512, 0.5076

Square

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



28.5731, 0.3432, 0.2313



28.5731, 0.4898, 0.4131



28.5731, 0.2632, 0.4674



28.5731, 0.1581, 0.2111

Rectangle

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



28.5731, 0.3432, 0.2313



28.5731, 0.4833, 0.3245



28.5731, 0.2632, 0.4674



28.5731, 0.1665, 0.2970

Sweetspot

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



28.5744, 0.3432, 0.2313



77.4580, 0.3200, 0.2995



19.9904, 0.2344, 0.1778



15.9813, 0.3211, 0.2953



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.



28.5744, 0.3432, 0.2313



36.0405, 0.3518, 0.2142



26.6805, 0.4095, 0.2901



12.5848, 0.3170, 0.3109



10.3646, 0.3837, 0.1888



0.6368, 0.3708, 0.1816

Inverse Universe

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



28.5744, 0.3432, 0.2313



36.0405, 0.3518, 0.2142



54.6030, 0.2643, 0.3743



12.5848, 0.3170, 0.3109



10.3646, 0.3837, 0.1888



0.6368, 0.3708, 0.1816

Previews

White Background



This preview shows how the Yxy color 28.5731, 0.3432, 0.2313 looks on a white background.

Color Contrast Check

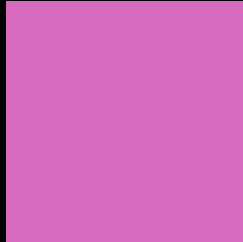
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5731, 0.3432, 0.2313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

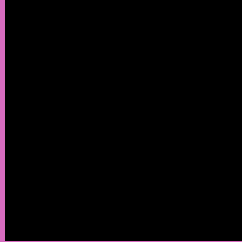
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5731, 0.3432, 0.2313

Background



This preview shows how black text looks on a background with the Yxy color 28.5731, 0.3432, 0.2313.



This preview shows how white text looks on a background with the Yxy color 28.5731, 0.3432, 0.2313.

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

28.5731, 0.3432, 0.2313

Protanopia

29.0541, 0.2336, 0.2225

Deuteranopia

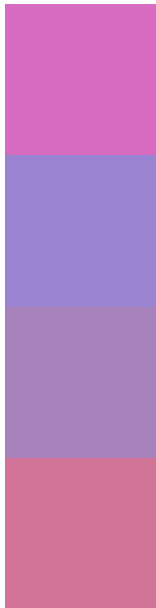
28.7232, 0.2721, 0.2659



Tritanopia

28.5518, 0.4073, 0.3178

Trichromacy



Original Color

28.5731, 0.3432, 0.2313

Protanomaly

27.7061, 0.2645, 0.2224

Deuteranomaly

27.7686, 0.2955, 0.2495

Tritanomaly

28.4594, 0.3844, 0.2843

Monochromacy



Original Color

28.5731, 0.3432, 0.2313

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.6148, 0.3246, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5731, 0.3432, 0.2313 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(214, 107, 191)` looks like.

```
.text, #text, p{  
    color:rgb(214, 107, 191)  
}
```

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(214, 107, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 107, 191) }
```

Border

The CSS property to change the border of an element to Yxy 28.5731, 0.3432, 0.2313 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(214, 107, 191) }
```

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

```
.border{ border-color:rgb(214, 107, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 107, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 107, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 107, 191);  
box-shadow:4px 4px 4px 4px rgb(214, 107,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5731, 0.3432, 0.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 107, 191) }
```

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

```
.background{ background-color: rgb(214,  
107, 191) }
```

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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