

Converting Colors

$Y_{xy}(30.9523, 0.3255, 0.2129)$

Have a look what the booklet for
Yxy(30.9523, 0.3255, 0.2129)
contains.

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Color

Yxy(30.9523, 0.3255, 0.2129)

Conversions

Conversions Part 1

Format	Color
Hex	DD6CD6
RGB	221, 108, 214
RGB Percent	87%, 42%, 84%
CMY	0.1333, 0.5765, 0.1607
CMYK	0.00, 0.51, 0.03, 0.13
HSL	304°, 62%, 65%
HSV	304°, 51%, 87%
XYZ	47.3226, 30.9523, 67.1094
YIQ	153.8710, 33.3220, 56.9220

Conversions

Conversions Part 2

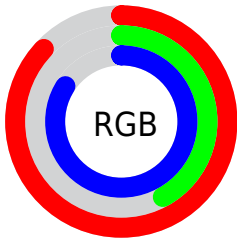
Format	Color
R _{YB}	221, 108, 214
Decimal	14511318
CIE Lab	62.47, 58.07, -34.92
CIE LCh	62, 67.758, 328.982
Yxy	30.9523, 0.3255, 0.2129
Android (android.graphics.Color)	4292701398 (0xFFDD6CD6)
YUV	153.8710, 29.6436, 58.8721
Hunter-Lab	55.6348, 54.4700, -32.5741

Details

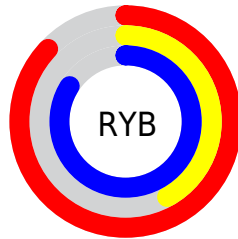
The Yxy color **30.9523, 0.3255, 0.2129** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **56.1436, 0.3017, 0.4820**, and the grayscale version is **32.1125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6744, 0.3169, 0.2394**, and **12.7457, 0.3255, 0.1836** is the 20% darker color. If you saturate the color by 10%, you get **26.7987, 0.3282, 0.1950**, and if you desaturate by 10%, it is **36.2906, 0.3227, 0.2336**.

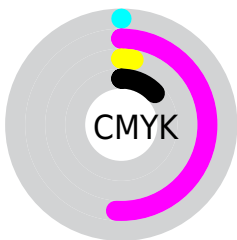
Distribution



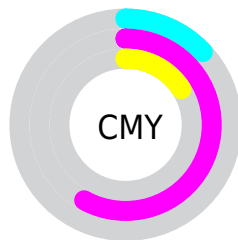
- Red (87%)
- Green (42%)
- Blue (84%)



- Red (87%)
- Yellow (42%)
- Blue (84%)



- Cyan (0%)
- Magenta (51%)
- Yellow (3%)
- Black (13%)





- Cyan (13%)
- Magenta (58%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9523, 0.3255, 0.2129 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 30.9523, 0.3255, 0.2129 by changing the saturation by 10% instead.

 30.9523, 0.3255,
0.2129


 30.9523, 0.3255,
0.2129

306.3185, 0.3212,
0.2683


 20.5625, 0.3260,
0.2001


 61.1650, 0.3244,
0.2323

 12.8046, 0.3262,
0.1842


 81.7566, 0.3238,
0.2398

 7.2941, 0.3259,
0.1643

 106.5178, 0.3233,
0.2462

 3.6467, 0.3244,
0.1387

 135.8327, 0.3228,
0.2518

 1.4780, 0.3200,
0.1053

170.0858, 0.3224,
0.2567

 0.2732, 0.3146,
0.0433

209.6616, 0.3219,


 0.0000, 0.2744,

0.2610

0.0000

254.9443, 0.3215,
0.2648

 0.0000, 0.0000,
0.0000


 30.9523, 0.3255,
0.2129


 30.9523, 0.3255,
0.2129


 26.7987, 0.3282,
0.1950


 36.2906, 0.3227,
0.2336


 23.7345, 0.3309,
0.1808


 42.8911, 0.3200,
0.2562


 21.6568, 0.3333,
0.1708

 50.8294, 0.3175,
0.2797

 20.4407, 0.3355,
0.1652

 60.1740, 0.3151,
0.3034

 19.8951, 0.3373,
0.1632

 70.9890, 0.3129,
0.3264

■ 83.3343, 0.3110,
0.3485

■ 92.2533, 0.3096,
0.3616

■ 92.3276, 0.3088,
0.3602

■ 92.4026, 0.3081,
0.3587

Harmonies

Analogous

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



30.9523, 0.2285, 0.1820



30.9523, 0.3255, 0.2129



30.9523, 0.4369, 0.2658

Triad

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



30.9523, 0.3255, 0.2129



30.9523, 0.4583, 0.4771



30.9523, 0.1472, 0.2760

Complementary

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



30.9523, 0.3255, 0.2129



56.1436, 0.3017, 0.4820

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.



30.9523, 0.1909, 0.3928



30.9523, 0.3255, 0.2129



30.9523, 0.3696, 0.5283

Square

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



30.9523, 0.3255, 0.2129



30.9523, 0.5149, 0.4034



30.9523, 0.2721, 0.5038



30.9523, 0.1409, 0.2056

Rectangle

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



30.9523, 0.3255, 0.2129



30.9523, 0.4939, 0.3088



30.9523, 0.2721, 0.5038



30.9523, 0.1573, 0.3107

Sweetspot

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



30.9537, 0.3255, 0.2129



77.8254, 0.3160, 0.2940



19.4988, 0.2188, 0.1686



16.0707, 0.3165, 0.2890



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.



30.9537, 0.3255, 0.2129



36.8847, 0.3283, 0.1944



28.5959, 0.3905, 0.2695



13.2602, 0.3147, 0.3074



11.5624, 0.3370, 0.1630



0.7534, 0.3341, 0.1614

Inverse Universe

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



30.9537, 0.3255, 0.2129



36.8847, 0.3283, 0.1944



57.8141, 0.2724, 0.4006



13.2602, 0.3147, 0.3074



11.5624, 0.3370, 0.1630



0.7534, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 30.9523, 0.3255, 0.2129 looks on a white background.

Color Contrast Check

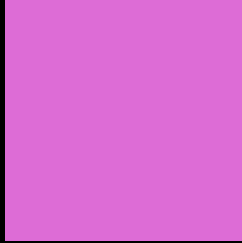
Large Text (above 18pt) WCAG AA × Fail

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 30.9523, 0.3255, 0.2129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

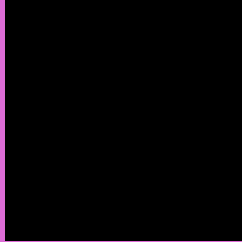
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9523, 0.3255, 0.2129

Background



This preview shows how black text looks on a background with the Yxy color 30.9523, 0.3255, 0.2129.



This preview shows how white text looks on a background with the Yxy color 30.9523, 0.3255, 0.2129.

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

30.9523, 0.3255, 0.2129

Protanopia

31.4019, 0.2156, 0.1979

Deuteranopia

31.1508, 0.2530, 0.2462



Tritanopia

30.9534, 0.4026, 0.3180

Trichromacy



Original Color

30.9523, 0.3255, 0.2129



Protanomaly

29.5066, 0.2446, 0.1979



Deuteranomaly

29.8103, 0.2749, 0.2284



Tritanomaly

30.5604, 0.3739, 0.2757

Monochromacy



Original Color

30.9523, 0.3255, 0.2129



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.4909, 0.3173, 0.2753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9523, 0.3255, 0.2129 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(221, 108, 214)` looks like.

```
.text, #text, p{  
    color:rgb(221, 108, 214)  
}
```

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(221, 108, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 108, 214) }
```

Border

The CSS property to change the border of an element to Yxy 30.9523, 0.3255, 0.2129 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(221, 108, 214) }
```

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

```
.border{ border-color:rgb(221, 108, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 108, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 108, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 108, 214);  
box-shadow:4px 4px 4px 4px rgb(221, 108,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9523, 0.3255, 0.2129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 108, 214) }
```

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

```
.background{ background-color: rgb(221,  
108, 214) }
```

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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