

Converting Colors

$Y_{xy}(30.1871, 0.3565, 0.2430)$

Have a look what the booklet for
Yxy(30.1871, 0.3565, 0.2430)
contains.

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Color

Yxy(30.2862, 0.3560, 0.2430)

Conversions

Conversions Part 1

Format	Color
Hex	DD6FBA
RGB	221, 111, 186
RGB Percent	87%, 44%, 73%
CMY	0.1333, 0.5647, 0.2705
CMYK	0.00, 0.50, 0.16, 0.13
HSL	319°, 62%, 65%
HSV	319°, 50%, 87%
XYZ	44.3699, 30.2862, 49.9785
YIQ	152.4400, 41.4850, 46.6450

Conversions

Conversions Part 2

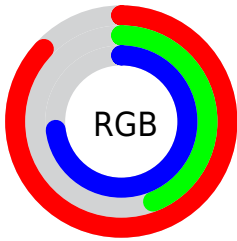
Format	Color
R _Y B	221, 111, 186
Decimal	14512058
CIE Lab	61.90, 52.09, -19.97
CIE LCh	62, 55.789, 339.028
Yxy	30.2862, 0.3560, 0.2430
Android (android.graphics.Color)	4292702138 (0xFFDD6FBA)
YUV	152.4400, 16.5451, 60.1271
Hunter-Lab	55.0329, 47.6069, -15.3215

Details

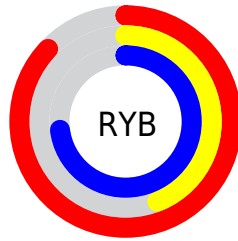
The Yxy color **30.2862, 0.3560, 0.2430** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **57.1697, 0.2870, 0.4364**, and the grayscale version is **31.5138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9432, 0.3272, 0.2535**, and **12.4062, 0.3669, 0.2188** is the 20% darker color. If you saturate the color by 10%, you get **25.7554, 0.3684, 0.2285**, and if you desaturate by 10%, it is **36.0275, 0.3448, 0.2596**.

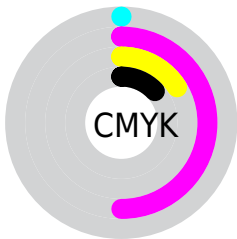
Distribution



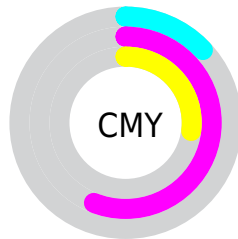
- Red (87%)
- Green (44%)
- Blue (73%)



- Red (87%)
- Yellow (44%)
- Blue (73%)



- Cyan (0%)
- Magenta (50%)
- Yellow (16%)
- Black (13%)




- Cyan (13%)
- Magenta (56%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2862, 0.3560, 0.2430 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 30.2862, 0.3560, 0.2430 by changing the saturation by 10% instead.


 30.2862, 0.3560,
0.2430


 30.2862, 0.3560,
0.2430


303.2362, 0.3344,
0.2856


 20.0559, 0.3613,
0.2326


 60.1145, 0.3482,
0.2584


 12.4357, 0.3681,
0.2193


 80.4813, 0.3453,
0.2642

 7.0411, 0.3770,
0.2020


 104.9957, 0.3428,
0.2691

 3.4878, 0.3891,
0.1785

 134.0422, 0.3406,
0.2733

 1.3914, 0.4065,
0.1453

168.0051, 0.3388,
0.2770

 0.2104, 0.4511,
0.0578

207.2688, 0.3372,

 0.0000, 0.4999,

0.2803

0.0000


252.2177, 0.3357,
0.2831


 0.0000, 0.0000,
0.0000

 30.2862, 0.3560,
0.2430


 30.2862, 0.3560,
0.2430


 25.7554, 0.3684,
0.2285


 36.0275, 0.3448,
0.2596

 22.3408, 0.3817,
0.2172


 43.0556, 0.3348,
0.2772


 19.9415, 0.3954,
0.2101

 51.4456, 0.3262,
0.2951

 18.4359, 0.4092,
0.2079

 61.2657, 0.3188,
0.3126

 17.6149, 0.4225,
0.2102

 72.5792, 0.3126,
0.3294

■ 17.5991, 0.4228,
0.2103

■ 85.4459, 0.3073,
0.3452

■ 92.9037, 0.3031,
0.3493

■ 93.3184, 0.2992,
0.3420

■ 93.7494, 0.2954,
0.3348

Harmonies

Analogous

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



30.2862, 0.2669, 0.2083



30.2862, 0.3560, 0.2430



30.2862, 0.4424, 0.2951

Triad

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



30.2862, 0.3560, 0.2430



30.2862, 0.4178, 0.4759



30.2862, 0.1646, 0.2622

Complementary

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



30.2862, 0.3560, 0.2430



57.1697, 0.2870, 0.4364

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.



30.2862, 0.1934, 0.3483



30.2862, 0.3560, 0.2430



30.2862, 0.3377, 0.4949

Square

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



30.2862, 0.3560, 0.2430



30.2862, 0.4749, 0.4202



30.2862, 0.2553, 0.4454



30.2862, 0.1682, 0.2127

Rectangle

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



30.2862, 0.3560, 0.2430



30.2862, 0.4788, 0.3353



30.2862, 0.2553, 0.4454



30.2862, 0.1704, 0.2872

Sweetspot

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



30.2876, 0.3560, 0.2430



77.2183, 0.3226, 0.3033



22.6845, 0.2456, 0.1823



15.9232, 0.3242, 0.2995



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.



30.2876, 0.3560, 0.2430



35.2363, 0.3693, 0.2276



28.3843, 0.4263, 0.3055



13.2007, 0.3186, 0.3132



10.2444, 0.4209, 0.2092



0.6791, 0.4006, 0.1980

Inverse Universe

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



30.2876, 0.3560, 0.2430



35.2363, 0.3693, 0.2276



59.3047, 0.2577, 0.3560



13.2007, 0.3186, 0.3132



10.2444, 0.4209, 0.2092



0.6791, 0.4006, 0.1980

Previews

White Background



This preview shows how the Yxy color 30.2862, 0.3560, 0.2430 looks on a white background.

Color Contrast Check

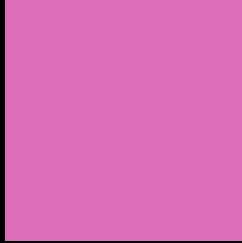
Large Text (above 18pt) WCAG AA × Fail

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 30.2862, 0.3560, 0.2430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

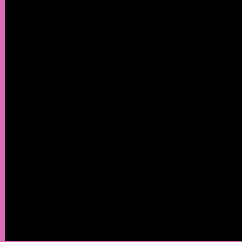
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2862, 0.3560, 0.2430

Background



This preview shows how black text looks on a background with the Yxy color 30.2862, 0.3560, 0.2430.



This preview shows how white text looks on a background with the Yxy color 30.2862, 0.3560, 0.2430.

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

30.2862, 0.3560, 0.2430

Protanopia

30.7297, 0.2451, 0.2369

Deuteranopia

30.6468, 0.2858, 0.2803



Tritanopia

30.2789, 0.4127, 0.3182

Trichromacy



Original Color

30.2862, 0.3560, 0.2430



Protanomaly

29.4263, 0.2779, 0.2367



Deuteranomaly

29.6577, 0.3095, 0.2632



Tritanomaly

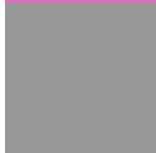
30.2124, 0.3913, 0.2892

Monochromacy



Original Color

30.2862, 0.3560, 0.2430



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.9188, 0.3285, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2862, 0.3560, 0.2430 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, 111, 186)` looks like.

```
.text, #text, p{  
    color:rgb(221, 111, 186)  
}
```

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, 111, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 111, 186) }
```

Border

The CSS property to change the border of an element to Yxy 30.2862, 0.3560, 0.2430 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, 111, 186) }
```

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

```
.border{ border-color:rgb(221, 111, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 111, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 111, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 111, 186);  
box-shadow:4px 4px 4px 4px rgb(221, 111,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2862, 0.3560, 0.2430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 111, 186) }
```

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

```
.background{ background-color: rgb(221,  
111, 186) }
```

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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