

Converting Colors

$Y_{xy}(30.3247, 0.3270, 0.2056)$

Have a look what the booklet for
Yxy(30.3247, 0.3270, 0.2056)
contains.

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Color

Yxy(30.3247, 0.3270, 0.2056)

Conversions

Conversions Part 1

Format	Color
Hex	E165D9
RGB	225, 101, 217
RGB Percent	88%, 40%, 85%
CMY	0.1176, 0.6039, 0.1491
CMYK	0.00, 0.55, 0.04, 0.12
HSL	304°, 67%, 64%
HSV	304°, 55%, 88%
XYZ	48.2304, 30.3247, 68.9385
YIQ	151.3000, 36.6680, 62.3640

Conversions

Conversions Part 2

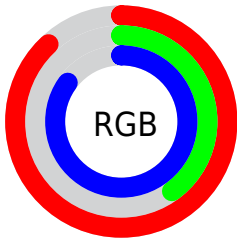
Format	Color
R _Y B	225, 101, 217
Decimal	14771673
CIE Lab	61.93, 62.89, -37.37
CIE LCh	62, 73.153, 329.281
Yxy	30.3247, 0.3270, 0.2056
Android (android.graphics.Color)	4292961753 (0xFFE165D9)
YUV	151.3000, 32.3901, 64.6349
Hunter-Lab	55.0679, 59.9680, -35.6767

Details

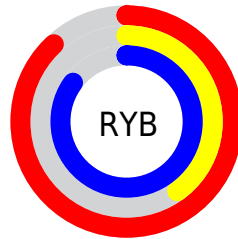
The Yxy color **30.3247, 0.3270, 0.2056** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **57.7318, 0.3008, 0.4953**, and the grayscale version is **30.9299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5939, 0.3172, 0.2338**, and **12.4801, 0.3274, 0.1755** is the 20% darker color. If you saturate the color by 10%, you get **26.4630, 0.3298, 0.1891**, and if you desaturate by 10%, it is **35.3857, 0.3241, 0.2253**.

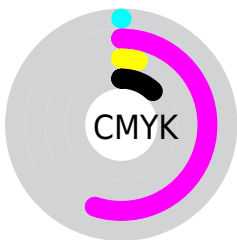
Distribution



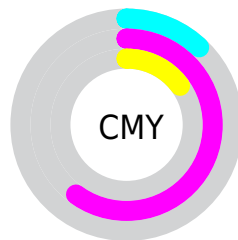
- Red (88%)
- Green (40%)
- Blue (85%)



- Red (88%)
- Yellow (40%)
- Blue (85%)



- Cyan (0%)
- Magenta (55%)
- Yellow (4%)
- Black (12%)




- Cyan (12%)
- Magenta (60%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3247, 0.3270, 0.2056 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 30.3247, 0.3270, 0.2056 by changing the saturation by 10% instead.


 30.3247, 0.3270,
0.2056


 30.3247, 0.3270,
0.2056


303.4150, 0.3222,
0.2640


 20.0852, 0.3275,
0.1922


 60.1753, 0.3258,
0.2260


 12.4570, 0.3277,
0.1758


 80.5552, 0.3252,
0.2339

 7.0557, 0.3274,
0.1552


 105.0839, 0.3246,
0.2407

 3.4970, 0.3257,
0.1291

 134.1460, 0.3240,
0.2466

 1.3964, 0.3208,
0.0957

168.1257, 0.3235,
0.2518

 0.2140, 0.3153,
0.0322

207.4075, 0.3231,

 0.0000, 0.2749,

0.2563

0.0000

252.3759, 0.3226,
0.2604

■ 0.0000, 0.0000,
0.0000

■ 30.3247, 0.3270,
0.2056

■ 30.3247, 0.3270,
0.2056

■ 26.4630, 0.3298,
0.1891

■ 35.3857, 0.3241,
0.2253

■ 23.6962, 0.3325,
0.1766

■ 41.7308, 0.3213,
0.2472

■ 21.9093, 0.3349,
0.1684

■ 49.4418, 0.3186,
0.2704

■ 20.9595, 0.3371,
0.1645

■ 58.5925, 0.3161,
0.2941

■ 20.6846, 0.3381,
0.1636

■ 69.2517, 0.3138,
0.3174

■ 81.4835, 0.3117,
0.3398

■ 93.0870, 0.3100,
0.3576

■ 93.1680, 0.3092,
0.3561

■ 93.2497, 0.3084,
0.3545

Harmonies

Analogous

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



30.3247, 0.2227, 0.1730



30.3247, 0.3270, 0.2056



30.3247, 0.4484, 0.2613

Triad

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



30.3247, 0.3270, 0.2056



30.3247, 0.4649, 0.4851



30.3247, 0.1360, 0.2691

Complementary

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



30.3247, 0.3270, 0.2056



57.7318, 0.3008, 0.4953

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.



30.3247, 0.1804, 0.3966



30.3247, 0.3270, 0.2056



30.3247, 0.3693, 0.5448

Square

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



30.3247, 0.3270, 0.2056



30.3247, 0.5284, 0.4052



30.3247, 0.2658, 0.5208



30.3247, 0.1305, 0.1956

Rectangle

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



30.3247, 0.3270, 0.2056



30.3247, 0.5099, 0.3062



30.3247, 0.2658, 0.5208



30.3247, 0.1460, 0.3063

Sweetspot

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



30.3261, 0.3270, 0.2056



75.2124, 0.3166, 0.2893



17.8828, 0.2104, 0.1547



15.5556, 0.3171, 0.2846



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.



30.3261, 0.3270, 0.2056



34.5647, 0.3302, 0.1872



27.7455, 0.3998, 0.2655



13.9195, 0.3148, 0.3074



11.9241, 0.3378, 0.1635



0.8312, 0.3350, 0.1619

Inverse Universe

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



30.3261, 0.3270, 0.2056



34.5647, 0.3302, 0.1872



59.4992, 0.2704, 0.4075



13.9195, 0.3148, 0.3074



11.9241, 0.3378, 0.1635



0.8312, 0.3350, 0.1619

Previews

White Background



This preview shows how the Yxy color 30.3247, 0.3270, 0.2056 looks on a white background.

Color Contrast Check

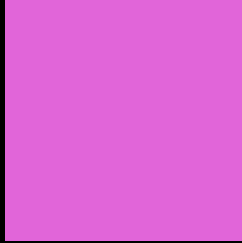
Large Text (above 18pt) WCAG AA × Fail

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 30.3247, 0.3270, 0.2056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

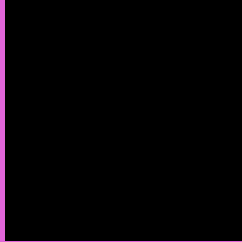
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3247, 0.3270, 0.2056

Background



This preview shows how black text looks on a background with the Yxy color 30.3247, 0.3270, 0.2056.

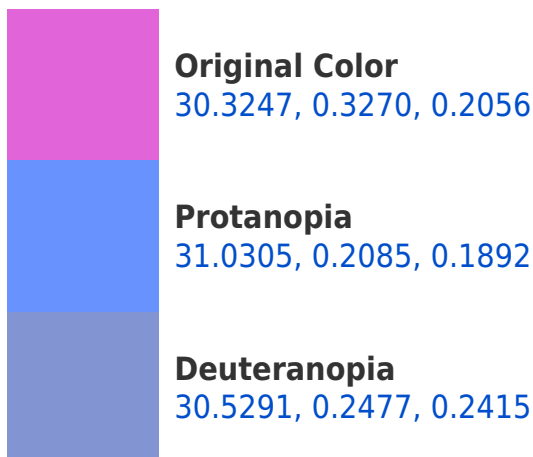


This preview shows how white text looks on a background with the Yxy color 30.3247, 0.3270, 0.2056.

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

30.2789, 0.4127, 0.3182

Trichromacy



Original Color

30.3247, 0.3270, 0.2056



Protanomaly

28.6120, 0.2381, 0.1888



Deuteranomaly

28.9854, 0.2721, 0.2221



Tritanomaly

29.9659, 0.3809, 0.2721

Monochromacy



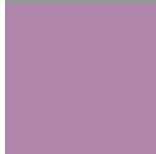
Original Color

30.3247, 0.3270, 0.2056



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.3352, 0.3187, 0.2711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3247, 0.3270, 0.2056 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(225, 101, 217)` looks like.

```
.text, #text, p{  
    color:rgb(225, 101, 217)  
}
```

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(225, 101, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 101, 217) }
```

Border

The CSS property to change the border of an element to Yxy 30.3247, 0.3270, 0.2056 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(225, 101, 217) }
```

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

```
.border{ border-color:rgb(225, 101, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 101, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 101, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 101, 217); box-shadow:4px 4px 4px 4px rgb(225, 101, 217) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3247, 0.3270, 0.2056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 101, 217) }
```

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

```
.background{ background-color: rgb(225,  
101, 217) }
```

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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