

Converting Colors

$Y_{xy}(31.1124, 0.3216, 0.2155)$

Have a look what the booklet for
Yxy(31.1124, 0.3216, 0.2155)
contains.

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Color

Yxy(31.1442, 0.3222, 0.2162)

Conversions

Conversions Part 1

Format	Color
Hex	D970D5
RGB	217, 112, 213
RGB Percent	85%, 44%, 84%
CMY	0.1491, 0.5607, 0.1648
CMYK	0.00, 0.48, 0.02, 0.15
HSL	302°, 58%, 65%
HSV	302°, 48%, 85%
XYZ	46.4138, 31.1442, 66.4947
YIQ	154.9090, 30.1590, 53.6710

Conversions

Conversions Part 2

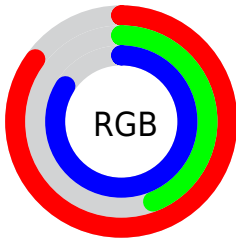
Format	Color
R _Y B	217, 112, 213
Decimal	14250197
CIE Lab	62.63, 54.82, -34.12
CIE LCh	63, 64.567, 328.104
Yxy	31.1442, 0.3222, 0.2162
Android (android.graphics.Color)	4292440277 (0xFFD970D5)
YUV	154.9090, 28.6389, 54.4538
Hunter-Lab	55.8070, 50.7934, -31.5799

Details

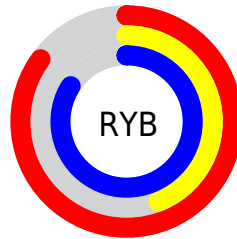
The Yxy color **31.1442, 0.3222, 0.2162** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **54.3282, 0.3035, 0.4758**, and the grayscale version is **32.5993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1174, 0.3167, 0.2431**, and **12.9683, 0.3223, 0.1884** is the 20% darker color. If you saturate the color by 10%, you get **26.8773, 0.3242, 0.1972**, and if you desaturate by 10%, it is **36.5678, 0.3201, 0.2379**.

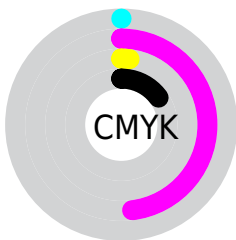
Distribution



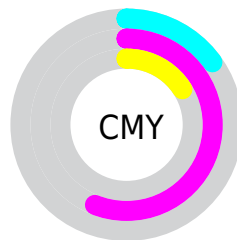
- Red (85%)
- Green (44%)
- Blue (84%)



- Red (85%)
- Yellow (44%)
- Blue (84%)



- Cyan (0%)
- Magenta (48%)
- Yellow (2%)
- Black (15%)




- Cyan (15%)
- Magenta (56%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1442, 0.3222, 0.2162 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 31.1442, 0.3222, 0.2162 by changing the saturation by 10% instead.


 31.1442, 0.3222,
0.2162


 31.1442, 0.3222,
0.2162


307.2021, 0.3194,
0.2702

 20.7087, 0.3223,
0.2036


 61.4670, 0.3216,
0.2352

 12.9112, 0.3221,
0.1880


 82.1231, 0.3213,
0.2425

 7.3674, 0.3212,
0.1683


 106.9549, 0.3209,
0.2488

 3.6929, 0.3190,
0.1429

136.3467, 0.3206,
0.2542

 1.5033, 0.3136,
0.1095

170.6829, 0.3203,
0.2590

 0.2911, 0.3064,
0.0475

210.3479, 0.3200,

 0.0000, 0.2601,

0.2632

0.0000

255.7262, 0.3197,
0.2669

 0.0000, 0.0000,
0.0000


 31.1442, 0.3222,
0.2162


 31.1442, 0.3222,
0.2162


 26.8773, 0.3242,
0.1972

 36.5678, 0.3201,
0.2379


 23.6787, 0.3261,
0.1817

 43.2198, 0.3180,
0.2612


 21.4539, 0.3279,
0.1702


 51.1711, 0.3161,
0.2853

 20.0904, 0.3294,
0.1632

 60.4858, 0.3142,
0.3094


 19.4208, 0.3306,
0.1600

 71.2239, 0.3124,
0.3327

 19.3376, 0.3308,
0.1596

 83.4419, 0.3109,
0.3550

 91.3733, 0.3098,
0.3670

 91.4171, 0.3094,
0.3661

 91.4612, 0.3089,
0.3652

Harmonies

Analogous

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



31.1442, 0.2300, 0.1870



31.1442, 0.3222, 0.2162



31.1442, 0.4282, 0.2671

Triad

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



31.1442, 0.3222, 0.2162



31.1442, 0.4557, 0.4705



31.1442, 0.1544, 0.2820

Complementary

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



31.1442, 0.3222, 0.2162



54.3282, 0.3035, 0.4758

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.



31.1442, 0.1984, 0.3933



31.1442, 0.3222, 0.2162



31.1442, 0.3716, 0.5184

Square

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



31.1442, 0.3222, 0.2162



31.1442, 0.5075, 0.4004



31.1442, 0.2777, 0.4960



31.1442, 0.1469, 0.2124

Rectangle

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



31.1442, 0.3222, 0.2162



31.1442, 0.4834, 0.3087



31.1442, 0.2777, 0.4960



31.1442, 0.1647, 0.3155

Sweetspot

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



31.1456, 0.3222, 0.2162



77.8829, 0.3154, 0.2931



20.2824, 0.2234, 0.1780



16.0847, 0.3158, 0.2880



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.



31.1456, 0.3222, 0.2162



38.6567, 0.3243, 0.1969



28.9165, 0.3820, 0.2705



13.2658, 0.3144, 0.3068



11.7110, 0.3307, 0.1595



0.7614, 0.3290, 0.1586

Inverse Universe

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



31.1456, 0.3222, 0.2162



38.6567, 0.3243, 0.1969



55.8936, 0.2749, 0.3985



13.2658, 0.3144, 0.3068



11.7110, 0.3307, 0.1595



0.7614, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 31.1442, 0.3222, 0.2162 looks on a white background.

Color Contrast Check

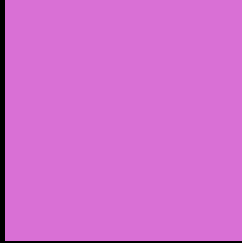
Large Text (above 18pt) WCAG AA × Fail

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 31.1442, 0.3222, 0.2162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

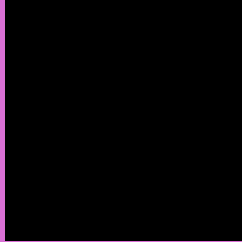
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1442, 0.3222, 0.2162

Background



This preview shows how black text looks on a background with the Yxy color 31.1442, 0.3222, 0.2162.



This preview shows how white text looks on a background with the Yxy color 31.1442, 0.3222, 0.2162.

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

31.1442, 0.3222, 0.2162

Protanopia

31.6108, 0.2197, 0.2043

Deuteranopia

31.5032, 0.2546, 0.2491



Tritanopia

30.9745, 0.3936, 0.3165

Trichromacy



Original Color

31.1442, 0.3222, 0.2162



Protanomaly

30.1099, 0.2476, 0.2053



Deuteranomaly

30.2111, 0.2750, 0.2318



Tritanomaly

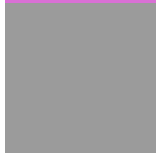
30.7680, 0.3663, 0.2760

Monochromacy



Original Color

31.1442, 0.3222, 0.2162



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.0648, 0.3172, 0.2781

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1442, 0.3222, 0.2162 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(217, 112, 213)` looks like.

```
.text, #text, p{  
    color:rgb(217, 112, 213)  
}
```

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(217, 112, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 112, 213) }
```

Border

The CSS property to change the border of an element to Yxy 31.1442, 0.3222, 0.2162 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(217, 112, 213) }
```

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

```
.border{ border-color:rgb(217, 112, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 112, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 112, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 112, 213);  
box-shadow:4px 4px 4px 4px rgb(217, 112,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1442, 0.3222, 0.2162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 112, 213) }
```

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

```
.background{ background-color: rgb(217,  
112, 213) }
```

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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