

Converting Colors

Yxy(36.6320, 0.3118, 0.2212)

Have a look what the booklet for
Yxy(36.6320, 0.3118, 0.2212)
contains.

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Color

Yxy(36.6187, 0.3120, 0.2217)

Conversions

Conversions Part 1

Format	Color
Hex	DD81E3
RGB	221, 129, 227
RGB Percent	87%, 51%, 89%
CMY	0.1333, 0.4941, 0.1098
CMYK	0.03, 0.43, 0.00, 0.11
HSL	296°, 64%, 70%
HSV	296°, 43%, 89%
XYZ	51.5338, 36.6187, 77.0198
YIQ	167.6800, 23.3740, 49.9820

Conversions

Conversions Part 2

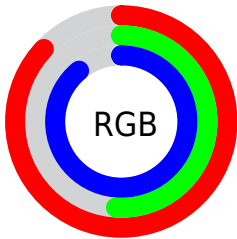
Format	Color
R _Y B	221, 129, 227
Decimal	14516707
CIE Lab	66.99, 50.00, -35.12
CIE LCh	67, 61.097, 324.918
Yxy	36.6187, 0.3120, 0.2217
Android (android.graphics.Color)	4292706787 (0xFFDD81E3)
YUV	167.6800, 29.2448, 46.7616
Hunter-Lab	60.5134, 46.1138, -33.1034

Details

The Yxy color **36.6187, 0.3120, 0.2217** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **61.6703, 0.3101, 0.4617**, and the grayscale version is **38.8397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **16.0017, 0.3096, 0.1963** is the 20% darker color. If you saturate the color by 10%, you get **31.0727, 0.3113, 0.1997**, and if you desaturate by 10%, it is **43.4979, 0.3125, 0.2458**.

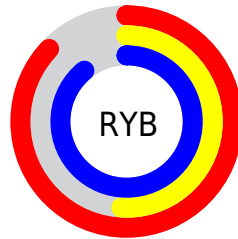
Distribution



Red (87%)

Green (51%)

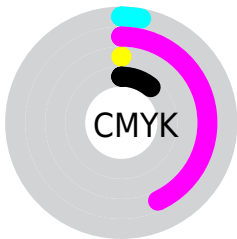
Blue (89%)



Red (87%)

Yellow (51%)

Blue (89%)

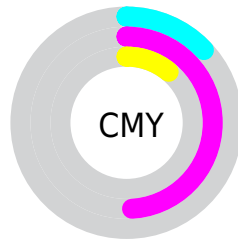


Cyan (3%)

Magenta (43%)

Yellow (0%)

Black (11%)



Cyan (13%)


Magenta (49%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6187, 0.3120, 0.2217 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 36.6187, 0.3120, 0.2217 by changing the saturation by 10% instead.


 36.6187, 0.3120,
0.2217


 36.6187, 0.3120,
0.2217


331.6567, 0.3142,
0.2721

 24.9124, 0.3110,
0.2102


 69.9860, 0.3132,
0.2392

 16.0118, 0.3094,
0.1960


 92.4157, 0.3135,
0.2460

 9.5325, 0.3068,
0.1783


 119.1887, 0.3138,
0.2519

 5.0901, 0.3026,
0.1555

150.6894, 0.3139,
0.2570

 2.3002, 0.2951,
0.1257

187.3022, 0.3140,
0.2615

 0.7738, 0.2806,
0.0862

229.4114, 0.3141,


 0.0000, 0.2591,


0.2654

0.0000


277.4014, 0.3142,
0.2689


 0.0000, 0.0000,
0.0000


 36.6187, 0.3120,
0.2217

 36.6187, 0.3120,
0.2217


 31.0727, 0.3113,
0.1997


 43.4979, 0.3125,
0.2458

 26.7661, 0.3104,
0.1807


 51.7861, 0.3127,
0.2711


 23.6005, 0.3092,
0.1655


 61.5595, 0.3128,
0.2965


 21.4609, 0.3079,
0.1547

 72.8871, 0.3128,
0.3213

 20.2078, 0.3065,
0.1482

 85.8338, 0.3126,
0.3451

 19.7093, 0.3054,
0.1456

 93.7779, 0.3128,
0.3576

 94.0076, 0.3137,
0.3575

 94.2390, 0.3146,
0.3574

 94.4723, 0.3154,
0.3573

Harmonies

Analogous

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



36.6187, 0.2306, 0.1969



36.6187, 0.3120, 0.2217



36.6187, 0.4072, 0.2674

Triad

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



36.6187, 0.3120, 0.2217



36.6187, 0.4517, 0.4544



36.6187, 0.1706, 0.2974

Complementary

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



36.6187, 0.3120, 0.2217



61.6703, 0.3101, 0.4617

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.



36.6187, 0.2162, 0.3979



36.6187, 0.3120, 0.2217



36.6187, 0.3779, 0.4975

Square

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



36.6187, 0.3120, 0.2217



36.6187, 0.4920, 0.3908



36.6187, 0.2919, 0.4824



36.6187, 0.1594, 0.2287

Rectangle

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



36.6187, 0.3120, 0.2217



36.6187, 0.4595, 0.3057



36.6187, 0.2919, 0.4824



36.6187, 0.1819, 0.3287

Sweetspot

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



36.6203, 0.3120, 0.2217



80.2606, 0.3128, 0.2967



27.6917, 0.2333, 0.2041



16.5365, 0.3128, 0.2911



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.



36.6203, 0.3120, 0.2217



40.9924, 0.3114, 0.2014



35.5148, 0.3608, 0.2656



14.5680, 0.3128, 0.3058



11.5141, 0.3057, 0.1458



0.8645, 0.3080, 0.1471

Inverse Universe

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



33.7809, 0.4189, 0.3223



36.9028, 0.4554, 0.3212



62.5603, 0.2833, 0.4036



14.3822, 0.3283, 0.3276



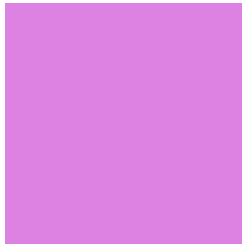
9.5482, 0.6334, 0.3263



0.7106, 0.6152, 0.3163

Previews

White Background



This preview shows how the Yxy color 36.6187, 0.3120, 0.2217 looks on a white background.

Color Contrast Check

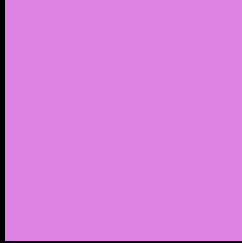
Large Text (above 18pt) WCAG AA × Fail

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 36.6187, 0.3120, 0.2217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

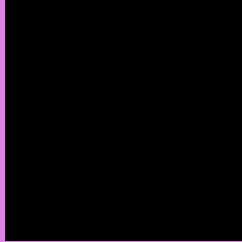
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6187, 0.3120, 0.2217

Background



This preview shows how black text looks on a background with the Yxy color 36.6187, 0.3120, 0.2217.



This preview shows how white text looks on a background with the Yxy color 36.6187, 0.3120, 0.2217.

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

36.6187, 0.3120, 0.2217

Protanopia

36.9793, 0.2264, 0.2120

Deuteranopia

36.9132, 0.2551, 0.2489



Tritanopia

36.6481, 0.3725, 0.3155

Trichromacy



Original Color

36.6187, 0.3120, 0.2217



Protanomaly

35.8131, 0.2507, 0.2128



Deuteranomaly

35.8213, 0.2734, 0.2359



Tritanomaly

36.2897, 0.3493, 0.2774

Monochromacy



Original Color

36.6187, 0.3120, 0.2217



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.3501, 0.3129, 0.2835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6187, 0.3120, 0.2217 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, 129, 227)` looks like.

```
.text, #text, p{  
    color:rgb(221, 129, 227)  
}
```

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, 129, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 129, 227) }
```

Border

The CSS property to change the border of an element to Yxy 36.6187, 0.3120, 0.2217 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, 129, 227) }
```

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

```
.border{ border-color:rgb(221, 129, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 129, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 129, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 129, 227);  
box-shadow:4px 4px 4px 4px rgb(221, 129,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6187, 0.3120, 0.2217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 129, 227) }
```

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

```
.background{ background-color: rgb(221,  
129, 227) }
```

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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