

Converting Colors

$Y_{xy}(31.3992, 0.3177, 0.2006)$

Have a look what the booklet for
Yxy(31.3992, 0.3177, 0.2006)
contains.

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Color

Yxy(31.3992, 0.3177, 0.2006)

Conversions

Conversions Part 1

Format	Color
Hex	E168E2
RGB	225, 104, 226
RGB Percent	88%, 41%, 89%
CMY	0.1177, 0.5921, 0.1137
CMYK	0.00, 0.54, 0.00, 0.11
HSL	299°, 68%, 65%
HSV	299°, 54%, 89%
XYZ	49.7284, 31.3992, 75.3988
YIQ	154.0870, 32.9540, 63.5940

Conversions

Conversions Part 2

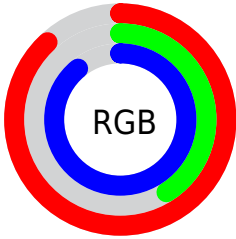
Format	Color
R _Y B	225, 104, 226
Decimal	14772450
CIE _{Lab}	62.84, 63.05, -41.01
CIE _{LCh}	63, 75.215, 326.963
Yxy	31.3992, 0.3177, 0.2006
Android (android.graphics.Color)	4292962530 (0xFFE168E2)
YUV	154.0870, 35.4531, 62.1907
Hunter-Lab	56.0350, 60.3492, -40.5541

Details

The Yxy color **31.3992, 0.3177, 0.2006** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **58.4033, 0.3051, 0.5016**, and the grayscale version is **32.1874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6216, 0.3171, 0.2366**, and **13.0718, 0.3159, 0.1708** is the 20% darker color. If you saturate the color by 10%, you get **27.4135, 0.3183, 0.1829**, and if you desaturate by 10%, it is **36.6067, 0.3170, 0.2215**.

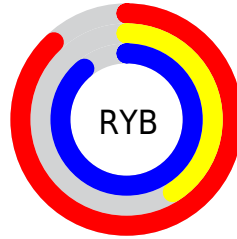
Distribution



Red (88%)

Green (41%)

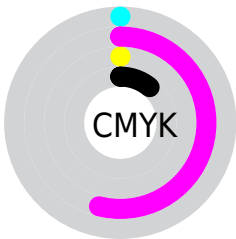
Blue (89%)



Red (88%)

Yellow (41%)

Blue (89%)

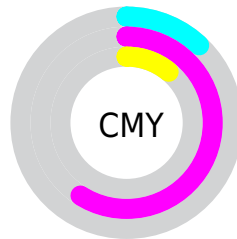


Cyan (0%)

Magenta (54%)

Yellow (0%)

Black (11%)



Cyan (12%)


Magenta (59%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3992, 0.3177, 0.2006 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 31.3992, 0.3177, 0.2006 by changing the saturation by 10% instead.


 31.3992, 0.3177,
0.2006


 31.3992, 0.3177,
0.2006


308.3732, 0.3179,
0.2607

 20.9030, 0.3169,
0.1870


 61.8680, 0.3183,
0.2214

 13.0531, 0.3155,
0.1705


 82.6095, 0.3184,
0.2295

 7.4651, 0.3129,
0.1500


 107.5348, 0.3184,
0.2365

 3.7547, 0.3083,
0.1243

 137.0284, 0.3184,
0.2426

 1.5373, 0.2994,
0.0920

171.4746, 0.3183,
0.2479

 0.3148, 0.2854,
0.0393

211.2579, 0.3181,

 0.0000, 0.2450,

0.2527


0.0000

256.7626, 0.3180,
0.2569

 0.0000, 0.0000,
0.0000


 31.3992, 0.3177,
0.2006


 31.3992, 0.3177,
0.2006

 27.4135, 0.3183,
0.1829


 36.6067, 0.3170,
0.2215


 24.5457, 0.3187,
0.1693


 43.1207, 0.3161,
0.2448


 22.6816, 0.3189,
0.1599

 51.0229, 0.3151,
0.2695

 21.6807, 0.3189,
0.1547

 60.3876, 0.3141,
0.2946

 21.3590, 0.3188,
0.1530

 71.2834, 0.3131,
0.3194

■ 83.7748, 0.3121,
0.3432

■ 93.2310, 0.3115,
0.3588

■ 93.2616, 0.3116,
0.3587

■ 93.2922, 0.3117,
0.3587

Harmonies

Analogous

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



31.3992, 0.2150, 0.1697



31.3992, 0.3177, 0.2006



31.3992, 0.4416, 0.2553

Triad

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



31.3992, 0.3177, 0.2006



31.3992, 0.4728, 0.4803



31.3992, 0.1357, 0.2760

Complementary

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



31.3992, 0.3177, 0.2006



58.4033, 0.3051, 0.5016

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.



31.3992, 0.1837, 0.4090



31.3992, 0.3177, 0.2006



31.3992, 0.3774, 0.5453

Square

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



31.3992, 0.3177, 0.2006



31.3992, 0.5339, 0.3991



31.3992, 0.2725, 0.5307



31.3992, 0.1277, 0.1976

Rectangle

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



31.3992, 0.3177, 0.2006



31.3992, 0.5073, 0.3000



31.3992, 0.2725, 0.5307



31.3992, 0.1468, 0.3153

Sweetspot

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



31.4006, 0.3177, 0.2006



76.6099, 0.3143, 0.2892



18.7521, 0.2091, 0.1594



15.8356, 0.3145, 0.2840



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.



31.4006, 0.3177, 0.2006



35.4052, 0.3184, 0.1807



28.8647, 0.3865, 0.2576



13.9295, 0.3137, 0.3059



12.1868, 0.3189, 0.1530



0.8466, 0.3192, 0.1532

Inverse Universe

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



27.0935, 0.4711, 0.3283



29.1954, 0.5254, 0.3284



59.9859, 0.2751, 0.4176



13.7024, 0.3291, 0.3289



9.2275, 0.6391, 0.3295



0.6403, 0.6364, 0.3279

Previews

White Background



This preview shows how the Yxy color 31.3992, 0.3177, 0.2006 looks on a white background.

Color Contrast Check

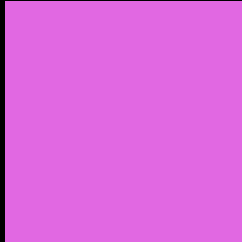
Large Text (above 18pt) WCAG AA × Fail

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 31.3992, 0.3177, 0.2006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

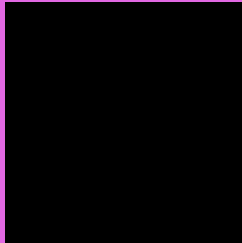
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3992, 0.3177, 0.2006

Background



This preview shows how black text looks on a background with the Yxy color 31.3992, 0.3177, 0.2006.

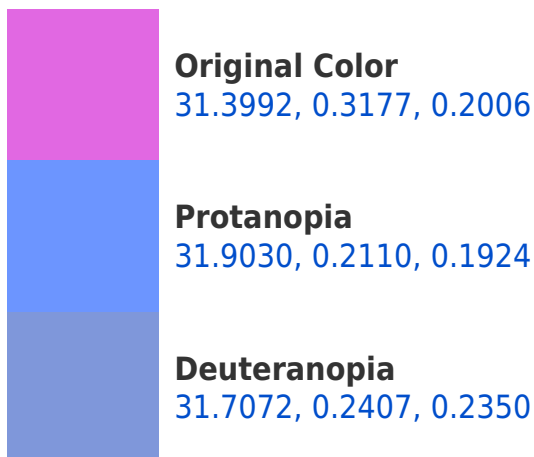


This preview shows how white text looks on a background with the Yxy color 31.3992, 0.3177, 0.2006.

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

31.2525, 0.4047, 0.3181

Trichromacy



Original Color

31.3992, 0.3177, 0.2006



Protanomaly

29.8860, 0.2391, 0.1907



Deuteranomaly

30.0572, 0.2639, 0.2162



Tritanomaly

30.9637, 0.3714, 0.2695

Monochromacy



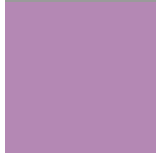
Original Color

31.3992, 0.3177, 0.2006



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.6069, 0.3155, 0.2693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3992, 0.3177, 0.2006 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, 104, 226)` looks like.

```
.text, #text, p{  
    color:rgb(225, 104, 226)  
}
```

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, 104, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 104, 226) }
```

Border

The CSS property to change the border of an element to Yxy 31.3992, 0.3177, 0.2006 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, 104, 226) }
```

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

```
.border{ border-color:rgb(225, 104, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 104, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 104, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 104, 226);  
box-shadow:4px 4px 4px 4px rgb(225, 104,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3992, 0.3177, 0.2006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 104, 226) }
```

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

```
.background{ background-color: rgb(225,  
104, 226) }
```

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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