

Converting Colors

$Y_{xy}(31.7861, 0.3052, 0.2111)$

Have a look what the booklet for
Yxy(31.7861, 0.3052, 0.2111)
contains.

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Color

Yxy(31.7861, 0.3052, 0.2111)

Conversions

Conversions Part 1

Format	Color
Hex	D176DE
RGB	209, 118, 222
RGB Percent	82%, 46%, 87%
CMY	0.1805, 0.5372, 0.1293
CMYK	0.06, 0.47, 0.00, 0.13
HSL	292°, 61%, 67%
HSV	292°, 47%, 87%
XYZ	45.9551, 31.7861, 72.8325
YIQ	157.0650, 20.8520, 51.6360

Conversions

Conversions Part 2

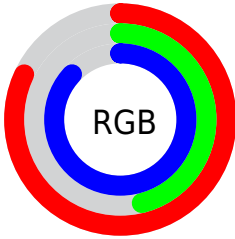
Format	Color
R _{YB}	209, 118, 222
Decimal	13727454
CIE Lab	63.17, 51.20, -38.42
CIE LCh	63, 64.015, 323.119
Yxy	31.7861, 0.3052, 0.2111
Android (android.graphics.Color)	4291917534 (0xFFD176DE)
YUV	157.0650, 32.0130, 45.5470
Hunter-Lab	56.3792, 46.8332, -37.1274

Details

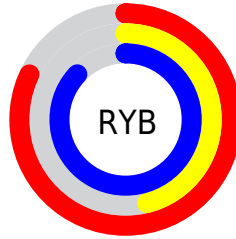
The Yxy color **31.7861, 0.3052, 0.2111** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **58.3897, 0.3138, 0.4727**, and the grayscale version is **33.5955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3671, 0.3165, 0.2488**, and **13.2092, 0.3000, 0.1824** is the 20% darker color. If you saturate the color by 10%, you get **26.7564, 0.3026, 0.1889**, and if you desaturate by 10%, it is **38.0561, 0.3075, 0.2355**.

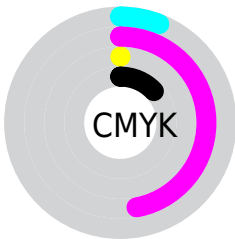
Distribution



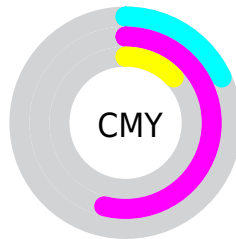
- Red (82%)
- Green (46%)
- Blue (87%)



- Red (82%)
- Yellow (46%)
- Blue (87%)



- Cyan (6%)
- Magenta (47%)
- Yellow (0%)
- Black (13%)





- Cyan (18%)
- Magenta (54%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7861, 0.3052, 0.2111 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 31.7861, 0.3052, 0.2111 by changing the saturation by 10% instead.


 31.7861, 0.3052,
0.2111


 31.7861, 0.3052,
0.2111


310.1437, 0.3112,
0.2671

 21.1982, 0.3031,
0.1982


 62.4756, 0.3079,
0.2307

 13.2689, 0.3000,
0.1823


 83.3460, 0.3088,
0.2383

 7.6140, 0.2953,
0.1623


 108.4126, 0.3094,
0.2448

 3.8490, 0.2879,
0.1368

138.0599, 0.3100,
0.2505

 1.5894, 0.2752,
0.1039

172.6723, 0.3104,
0.2554

 0.3505, 0.2552,
0.0491

212.6341, 0.3107,

 0.0000, 0.1966,

0.2598

0.0000

258.3298, 0.3110,
0.2637

0.0000, 0.0000,
0.0000

31.7861, 0.3052,
0.2111

31.7861, 0.3052,
0.2111

26.7564, 0.3026,
0.1889

38.0561, 0.3075,
0.2355

22.8753, 0.2997,
0.1699

45.6414, 0.3094,
0.2611

20.0448, 0.2966,
0.1549

54.6160, 0.3109,
0.2870

18.1489, 0.2934,
0.1444

65.0471, 0.3121,
0.3123

17.0377, 0.2901,
0.1381

76.9976, 0.3130,
0.3365

■ 16.7689, 0.2891,
0.1366

■ 90.5266, 0.3136,
0.3593

■ 93.3645, 0.3151,
0.3628

■ 93.8246, 0.3169,
0.3627

■ 94.2921, 0.3186,
0.3625

Harmonies

Analogous

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



31.7861, 0.2191, 0.1862



31.7861, 0.3052, 0.2111



31.7861, 0.4100, 0.2584

Triad

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



31.7861, 0.3052, 0.2111



31.7861, 0.4656, 0.4583



31.7861, 0.1609, 0.2988

Complementary

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



31.7861, 0.3052, 0.2111



58.3897, 0.3138, 0.4727

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.



31.7861, 0.2110, 0.4119



31.7861, 0.3052, 0.2111



31.7861, 0.3863, 0.5113

Square

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



31.7861, 0.3052, 0.2111



31.7861, 0.5084, 0.3884



31.7861, 0.2936, 0.5031



31.7861, 0.1477, 0.2224

Rectangle

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



31.7861, 0.3052, 0.2111



31.7861, 0.4695, 0.2986



31.7861, 0.2936, 0.5031



31.7861, 0.1733, 0.3340

Sweetspot

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



31.7875, 0.3052, 0.2111



78.4608, 0.3112, 0.2940



25.5977, 0.2275, 0.2015



16.1611, 0.3110, 0.2884



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.



31.7875, 0.3052, 0.2111



36.8741, 0.3027, 0.1898



31.9484, 0.3584, 0.2530



13.8439, 0.3118, 0.3058



9.9922, 0.2896, 0.1369



0.7174, 0.2947, 0.1397

Inverse Universe

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



30.1327, 0.4240, 0.3139



34.5069, 0.4614, 0.3117



58.5099, 0.2853, 0.4214



13.7284, 0.3272, 0.3261



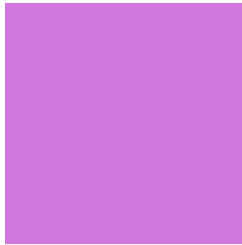
9.2824, 0.6237, 0.3209



0.6527, 0.5897, 0.3022

Previews

White Background



This preview shows how the Yxy color 31.7861, 0.3052, 0.2111 looks on a white background.

Color Contrast Check

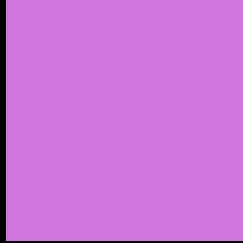
Large Text (above 18pt) WCAG AA × Fail

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 31.7861, 0.3052, 0.2111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

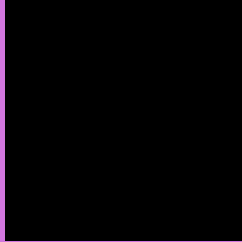
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7861, 0.3052, 0.2111

Background



This preview shows how black text looks on a background with the Yxy color 31.7861, 0.3052, 0.2111.

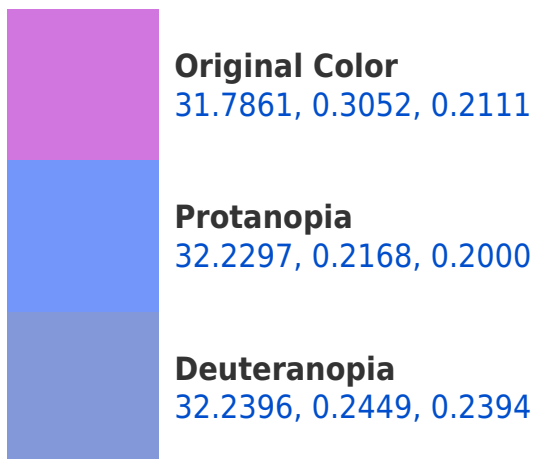


This preview shows how white text looks on a background with the Yxy color 31.7861, 0.3052, 0.2111.

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

31.8258, 0.3727, 0.3160

Trichromacy



Original Color

31.7861, 0.3052, 0.2111



Protanomaly

30.7985, 0.2414, 0.2006



Deuteranomaly

31.1891, 0.2634, 0.2261



Tritanomaly

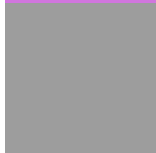
31.4530, 0.3471, 0.2721

Monochromacy



Original Color

31.7861, 0.3052, 0.2111



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

32.2112, 0.3101, 0.2769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7861, 0.3052, 0.2111 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(209, 118, 222)` looks like.

```
.text, #text, p{  
    color:rgb(209, 118, 222)  
}
```

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(209, 118, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 118, 222) }
```

Border

The CSS property to change the border of an element to Yxy 31.7861, 0.3052, 0.2111 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(209, 118, 222) }
```

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

```
.border{ border-color:rgb(209, 118, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 118, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(209, 118, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(209, 118, 222); box-shadow:4px 4px 4px 4px rgb(209, 118, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7861, 0.3052, 0.2111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 118, 222) }
```

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

```
.background{ background-color: rgb(209,  
118, 222) }
```

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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