

Converting Colors

$Y_{xy}(31.5869, 0.3576, 0.2540)$

Have a look what the booklet for
Yxy(31.5869, 0.3576, 0.2540)
contains.

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Color

Yxy(31.5914, 0.3572, 0.2534)

Conversions

Conversions Part 1

Format	Color
Hex	DC76B7
RGB	220, 118, 183
RGB Percent	86%, 46%, 72%
CMY	0.1374, 0.5371, 0.2824
CMYK	0.00, 0.46, 0.17, 0.14
HSL	322°, 59%, 66%
HSV	322°, 46%, 86%
XYZ	44.5322, 31.5914, 48.5465
YIQ	155.9080, 39.9270, 41.8390

Conversions

Conversions Part 2

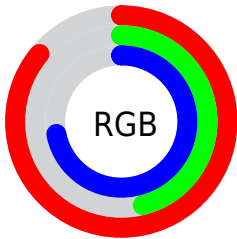
Format	Color
R _{YB}	220, 118, 183
Decimal	14448311
CIE Lab	63.00, 47.81, -16.58
CIE LCh	63, 50.602, 340.877
Yxy	31.5914, 0.3572, 0.2534
Android (android.graphics.Color)	4292638391 (0xFFDC76B7)
YUV	155.9080, 13.3564, 56.2087
Hunter-Lab	56.2062, 43.0645, -11.8657

Details

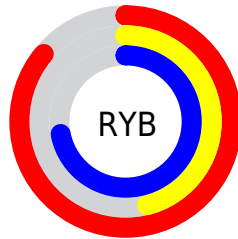
The Yxy color **31.5914, 0.3572, 0.2534** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **57.3881, 0.2858, 0.4207**, and the grayscale version is **33.1312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3791, 0.3290, 0.2631**, and **13.1788, 0.3704, 0.2322** is the 20% darker color. If you saturate the color by 10%, you get **26.6779, 0.3711, 0.2390**, and if you desaturate by 10%, it is **37.7346, 0.3448, 0.2695**.

Distribution



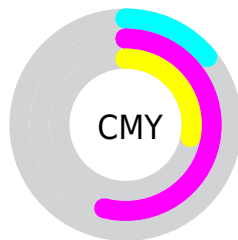
- Red (86%)
- Green (46%)
- Blue (72%)



- Red (86%)
- Yellow (46%)
- Blue (72%)



- Cyan (0%)
- Magenta (46%)
- Yellow (17%)
- Black (14%)





- Cyan (14%)
- Magenta (54%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5914, 0.3572, 0.2534 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 31.5914, 0.3572, 0.2534 by changing the saturation by 10% instead.


 31.5914, 0.3572,
0.2534

 31.5914, 0.3572,
0.2534


309.2537, 0.3348,
0.2911

 21.0496, 0.3628,
0.2441


 62.1700, 0.3490,
0.2670

 13.1603, 0.3701,
0.2322


 82.9756, 0.3460,
0.2722

 7.5390, 0.3797,
0.2166


 107.9712, 0.3434,
0.2765

 3.8014, 0.3931,
0.1952

137.5412, 0.3412,
0.2803

 1.5631, 0.4129,
0.1644

172.0701, 0.3392,
0.2835

 0.3325, 0.4576,
0.0917

211.9422, 0.3376,


 0.0000, 0.5772,


0.2863

0.0000

257.5420, 0.3361,
0.2888

 0.0000, 0.0000,
0.0000


 31.5914, 0.3572,
0.2534


 31.5914, 0.3572,
0.2534


 26.6779, 0.3711,
0.2390


 37.7346, 0.3448,
0.2695

 22.9042, 0.3863,
0.2273


 45.1804, 0.3341,
0.2862


 20.1751, 0.4024,
0.2194


 54.0010, 0.3248,
0.3029

 18.3780, 0.4187,
0.2164

 64.2622, 0.3170,
0.3191

 17.3711, 0.4348,
0.2185


 76.0256, 0.3105,
0.3345

 17.1090, 0.4406,
0.2201

 89.3490, 0.3050,
0.3489

 92.9526, 0.3005,
0.3456

 93.4343, 0.2961,
0.3373

 93.9370, 0.2918,
0.3291

Harmonies

Analogous

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



31.5914, 0.2763, 0.2201



31.5914, 0.3572, 0.2534



31.5914, 0.4326, 0.3025

Triad

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



31.5914, 0.3572, 0.2534



31.5914, 0.4056, 0.4647



31.5914, 0.1770, 0.2662

Complementary

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



31.5914, 0.3572, 0.2534



57.3881, 0.2858, 0.4207

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.



31.5914, 0.2023, 0.3417



31.5914, 0.3572, 0.2534



31.5914, 0.3323, 0.4752

Square

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



31.5914, 0.3572, 0.2534



31.5914, 0.4579, 0.4177



31.5914, 0.2578, 0.4271



31.5914, 0.1817, 0.2221

Rectangle

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



31.5914, 0.3572, 0.2534



31.5914, 0.4635, 0.3402



31.5914, 0.2578, 0.4271



31.5914, 0.1820, 0.2883

Sweetspot

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



31.5929, 0.3572, 0.2534



78.4936, 0.3230, 0.3066



24.9710, 0.2544, 0.1944



16.1699, 0.3248, 0.3030



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.



31.5929, 0.3572, 0.2534



37.2142, 0.3713, 0.2388



29.8766, 0.4189, 0.3110



13.1905, 0.3193, 0.3142



10.0668, 0.4383, 0.2188



0.6685, 0.4142, 0.2055

Inverse Universe

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



31.5929, 0.3572, 0.2534



37.2142, 0.3713, 0.2388



59.4136, 0.2588, 0.3492



13.1905, 0.3193, 0.3142



10.0668, 0.4383, 0.2188



0.6685, 0.4142, 0.2055

Previews

White Background



This preview shows how the Yxy color 31.5914, 0.3572, 0.2534 looks on a white background.

Color Contrast Check

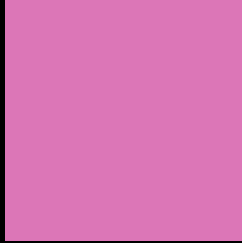
Large Text (above 18pt) WCAG AA × Fail

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 31.5914, 0.3572, 0.2534 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

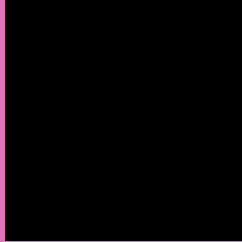
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5914, 0.3572, 0.2534

Background



This preview shows how black text looks on a background with the Yxy color 31.5914, 0.3572, 0.2534.



This preview shows how white text looks on a background with the Yxy color 31.5914, 0.3572, 0.2534.

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

31.5914, 0.3572, 0.2534

Protanopia

31.9078, 0.2556, 0.2507

Deuteranopia

31.7772, 0.2932, 0.2868



Tritanopia

31.4320, 0.4046, 0.3169

Trichromacy



Original Color

31.5914, 0.3572, 0.2534



Protanomaly

30.7579, 0.2861, 0.2488



Deuteranomaly

31.0560, 0.3144, 0.2718



Tritanomaly

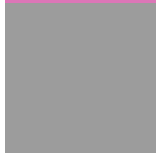
31.5001, 0.3871, 0.2927

Monochromacy



Original Color

31.5914, 0.3572, 0.2534



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.6829, 0.3280, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5914, 0.3572, 0.2534 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(220, 118, 183)` looks like.

```
.text, #text, p{  
    color:rgb(220, 118, 183)  
}
```

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(220, 118, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 118, 183) }
```

Border

The CSS property to change the border of an element to Yxy 31.5914, 0.3572, 0.2534 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(220, 118, 183) }
```

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

```
.border{ border-color:rgb(220, 118, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 118, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 118, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 118, 183);  
box-shadow:4px 4px 4px 4px rgb(220, 118,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5914, 0.3572, 0.2534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 118, 183) }
```

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

```
.background{ background-color: rgb(220,  
118, 183) }
```

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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