

Converting Colors

Yxy(31.2441, 0.3240, 0.2317)

Have a look what the booklet for
Yxy(31.2441, 0.3240, 0.2317)
contains.

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Color

Yxy(31.2525, 0.3246, 0.2323)

Conversions

Conversions Part 1

Format	Color
Hex	D178CA
RGB	209, 120, 202
RGB Percent	82%, 47%, 79%
CMY	0.1804, 0.5294, 0.2078
CMYK	0.00, 0.43, 0.03, 0.18
HSL	305°, 49%, 65%
HSV	305°, 43%, 82%
XYZ	43.6701, 31.2525, 59.6125
YIQ	155.9590, 26.7220, 44.3700

Conversions

Conversions Part 2

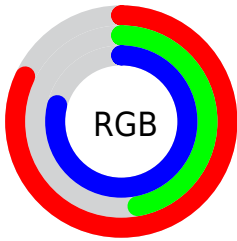
Format	Color
R _Y B	209, 120, 202
Decimal	13727946
CIE Lab	62.72, 46.51, -27.89
CIE LCh	63, 54.231, 329.050
Yxy	31.2525, 0.3246, 0.2323
Android (android.graphics.Color)	4291918026 (0xFFD178CA)
YUV	155.9590, 22.6982, 46.5170
Hunter-Lab	55.9039, 41.6057, -24.0904

Details

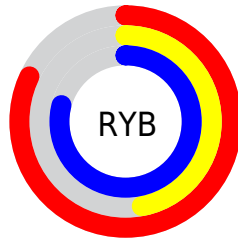
The Yxy color **31.2525, 0.3246, 0.2323** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **51.1221, 0.3025, 0.4499**, and the grayscale version is **33.1157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **13.0447, 0.3259, 0.2069** is the 20% darker color. If you saturate the color by 10%, you get **26.6860, 0.3279, 0.2122**, and if you desaturate by 10%, it is **36.9196, 0.3215, 0.2544**.

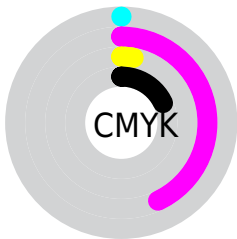
Distribution



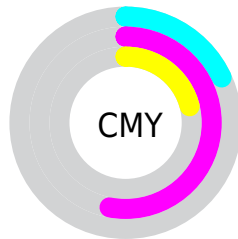
- Red (82%)
- Green (47%)
- Blue (79%)



- Red (82%)
- Yellow (47%)
- Blue (79%)



- Cyan (0%)
- Magenta (43%)
- Yellow (3%)
- Black (18%)





- Cyan (18%)
- Magenta (53%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2525, 0.3246, 0.2323 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 31.2525, 0.3246, 0.2323 by changing the saturation by 10% instead.


 31.2525, 0.3246,
0.2323


 31.2525, 0.3246,
0.2323


307.6999, 0.3200,
0.2795


 20.7912, 0.3253,
0.2210


 61.6374, 0.3232,
0.2491

 12.9715, 0.3260,
0.2068


 82.3298, 0.3226,
0.2555

 7.4089, 0.3265,
0.1885


 107.2013, 0.3221,
0.2610

 3.7191, 0.3263,
0.1642

136.6363, 0.3216,
0.2657

 1.5177, 0.3242,
0.1310

171.0193, 0.3211,
0.2698

 0.3011, 0.3240,
0.0623

210.7347, 0.3207,


 0.0000, 0.2555,


0.2735


0.0000


256.1667, 0.3203,
0.2767


 0.0000, 0.0000,
0.0000

 31.2525, 0.3246,
0.2323

 31.2525, 0.3246,
0.2323


 26.6860, 0.3279,
0.2122


 36.9196, 0.3215,
0.2544


 23.1438, 0.3311,
0.1950

 43.7487, 0.3185,
0.2774

 20.5465, 0.3343,
0.1814


 51.8016, 0.3158,
0.3006


 18.8013, 0.3373,
0.1721


 61.1347, 0.3133,
0.3233

 17.7967, 0.3400,
0.1672


 71.8007, 0.3111,
0.3450

 17.3860, 0.3418,
0.1657

 83.8494, 0.3092,
0.3655

 89.9028, 0.3079,
0.3734

 89.9868, 0.3070,
0.3716

 90.0716, 0.3061,
0.3698

Harmonies

Analogous

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



31.2525, 0.2445, 0.2056



31.2525, 0.3246, 0.2323



31.2525, 0.4126, 0.2783

Triad

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



31.2525, 0.3246, 0.2323



31.2525, 0.4367, 0.4558



31.2525, 0.1750, 0.2891

Complementary

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



31.2525, 0.3246, 0.2323



51.1221, 0.3025, 0.4499

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.



31.2525, 0.2143, 0.3801



31.2525, 0.3246, 0.2323



31.2525, 0.3646, 0.4888

Square

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



31.2525, 0.3246, 0.2323



31.2525, 0.4792, 0.3978



31.2525, 0.2832, 0.4636



31.2525, 0.1681, 0.2288

Rectangle

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



31.2525, 0.3246, 0.2323



31.2525, 0.4579, 0.3159



31.2525, 0.2832, 0.4636



31.2525, 0.1844, 0.3170

Sweetspot

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



31.2539, 0.3246, 0.2323



80.4765, 0.3159, 0.2993



22.4695, 0.2383, 0.1997



16.5905, 0.3165, 0.2941



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.



31.2539, 0.3246, 0.2323



42.4946, 0.3275, 0.2141



29.4775, 0.3739, 0.2809



11.9924, 0.3150, 0.3079



10.7275, 0.3415, 0.1655



0.6047, 0.3373, 0.1632

Inverse Universe

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



31.2539, 0.3246, 0.2323



42.4946, 0.3275, 0.2141



52.5087, 0.2768, 0.3840



11.9924, 0.3150, 0.3079



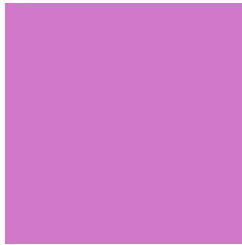
10.7275, 0.3415, 0.1655



0.6047, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 31.2525, 0.3246, 0.2323 looks on a white background.

Color Contrast Check

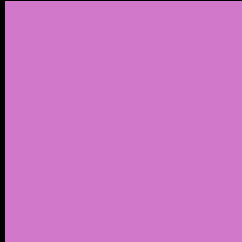
Large Text (above 18pt) WCAG AA × Fail

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 31.2525, 0.3246, 0.2323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

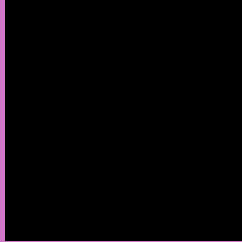
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2525, 0.3246, 0.2323

Background



This preview shows how black text looks on a background with the Yxy color 31.2525, 0.3246, 0.2323.



This preview shows how white text looks on a background with the Yxy color 31.2525, 0.3246, 0.2323.

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

31.2525, 0.3246, 0.2323

Protanopia

31.7610, 0.2364, 0.2259

Deuteranopia

31.3657, 0.2664, 0.2599



Tritanopia

31.3148, 0.3806, 0.3161

Trichromacy



Original Color

31.2525, 0.3246, 0.2323



Protanomaly

30.6431, 0.2622, 0.2253



Deuteranomaly

30.5160, 0.2852, 0.2463



Tritanomaly

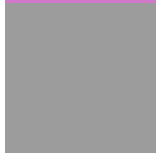
31.0978, 0.3609, 0.2834

Monochromacy



Original Color

31.2525, 0.3246, 0.2323



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.7760, 0.3167, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2525, 0.3246, 0.2323 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, 120, 202)` looks like.

```
.text, #text, p{  
    color:rgb(209, 120, 202)  
}
```

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, 120, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 120, 202) }
```

Border

The CSS property to change the border of an element to Yxy 31.2525, 0.3246, 0.2323 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, 120, 202) }
```

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

```
.border{ border-color:rgb(209, 120, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 120, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 120, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 120, 202);  
box-shadow:4px 4px 4px 4px rgb(209, 120,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2525, 0.3246, 0.2323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 120, 202) }
```

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

```
.background{ background-color: rgb(209,  
120, 202) }
```

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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