

Converting Colors

$Y_{xy}(64.7973, 0.3121, 0.3119)$

Have a look what the booklet for
Yxy(64.7973, 0.3121, 0.3119)
contains.

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Color

Yxy(64.6322, 0.3120, 0.3114)

Conversions

Conversions Part 1

Format	Color
Hex	DCCED E
RGB	220, 206, 222
RGB Percent	86%, 81%, 87%
CMY	0.1375, 0.1921, 0.1294
CMYK	0.01, 0.07, 0.00, 0.13
HSL	292°, 19%, 84%
HSV	292°, 7%, 87%
XYZ	64.7567, 64.6322, 78.1647
YIQ	212.0100, 3.2080, 7.9440

Conversions

Conversions Part 2

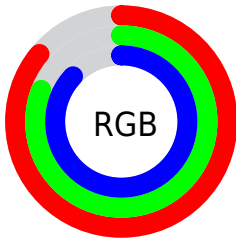
Format	Color
R _Y B	220, 206, 222
Decimal	14470878
CIE Lab	84.29, 7.66, -6.16
CIE LCh	84, 9.833, 321.214
Yxy	64.6322, 0.3120, 0.3114
Android (android.graphics.Color)	4292660958 (0xFFDCCCEDE)
YUV	212.0100, 4.9251, 7.0072
Hunter-Lab	80.3942, 3.0903, -1.3699

Details

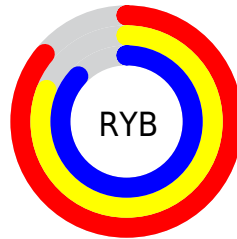
The Yxy color **64.6322, 0.3120, 0.3114** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.1188, 0.3133, 0.3471**, and the grayscale version is **65.8072, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.2458, 0.3117, 0.3074** is the 20% darker color. If you saturate the color by 10%, you get **54.2470, 0.3107, 0.2860**, and if you desaturate by 10%, it is **76.5402, 0.3130, 0.3357**.

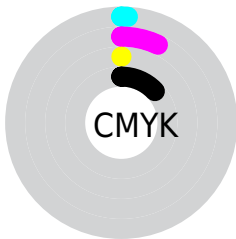
Distribution



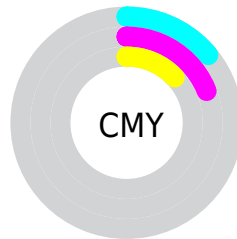
- Red (86%)
- Green (81%)
- Blue (87%)



- Red (86%)
- Yellow (81%)
- Blue (87%)



- Cyan (1%)
- Magenta (7%)
- Yellow (0%)
- Black (13%)



- Cyan (14%)
- Magenta (19%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6322, 0.3120, 0.3114 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 64.6322, 0.3120, 0.3114 by changing the saturation by 10% instead.

■ 64.6322, 0.3120,
0.3114

■ 64.6322, 0.3120,
0.3114

441.4691, 0.3124,
0.3196

■ 47.1629, 0.3119,
0.3095

111.5209, 0.3121,
0.3143

■ 33.1645, 0.3118,
0.3071

141.7091, 0.3122,
0.3154

■ 22.2525, 0.3116,
0.3041

176.9057, 0.3122,
0.3163

■ 14.0425, 0.3113,
0.3002

217.4952, 0.3123,
0.3172

■ 8.1502, 0.3109,
0.2948

263.8619, 0.3123,
0.3179

■ 4.1912, 0.3103,
0.2868

316.3901, 0.3123,

■ 1.7811, 0.3091,

0.3185

0.2740

375.4644, 0.3124,
0.3191

0.4754, 0.3098,
0.2305

0.0000, 0.0000,
0.0000

64.6322, 0.3120,
0.3114

64.6322, 0.3120,
0.3114

54.2470, 0.3107,
0.2860

76.5402, 0.3130,
0.3357

45.3133, 0.3091,
0.2602

90.0219, 0.3136,
0.3585

37.7665, 0.3071,
0.2346

93.3711, 0.3152,
0.3629

31.5338, 0.3048,
0.2102

93.8436, 0.3170,
0.3627

■ 26.5359, 0.3021,
0.1880

■ 94.3238, 0.3188,
0.3625

■ 22.6847, 0.2991,
0.1691

■ 94.8119, 0.3206,
0.3623

■ 19.8806, 0.2959,
0.1542

■ 95.3077, 0.3224,
0.3621

■ 18.0067, 0.2925,
0.1437

■ 95.8115, 0.3242,
0.3619

■ 16.9087, 0.2892,
0.1375

■ 96.3232, 0.3261,
0.3618

Harmonies

Analogous

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



64.6322, 0.3002, 0.3081



64.6322, 0.3120, 0.3114



64.6322, 0.3242, 0.3191

Triad

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



64.6322, 0.3120, 0.3114



64.6322, 0.3340, 0.3477



64.6322, 0.2923, 0.3280

Complementary

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



64.6322, 0.3120, 0.3114



70.1188, 0.3133, 0.3471

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.



64.6322, 0.3011, 0.3392



64.6322, 0.3120, 0.3114



64.6322, 0.3251, 0.3506

Square

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



64.6322, 0.3120, 0.3114



64.6322, 0.3371, 0.3399



64.6322, 0.3131, 0.3475



64.6322, 0.2890, 0.3174

Rectangle

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



64.6322, 0.3120, 0.3114



64.6322, 0.3309, 0.3259



64.6322, 0.3131, 0.3475



64.6322, 0.2947, 0.3318

Sweetspot

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



64.6350, 0.3120, 0.3114



96.6648, 0.3125, 0.3241



63.5866, 0.3017, 0.3133



20.7252, 0.3125, 0.3244



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.



64.6350, 0.3120, 0.3114



85.6656, 0.3118, 0.3067



64.6489, 0.3177, 0.3178



13.8415, 0.3117, 0.3058



9.9350, 0.2888, 0.1364



0.7139, 0.2940, 0.1393

Inverse Universe

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



64.2419, 0.3235, 0.3267



84.9997, 0.3265, 0.3261



70.1127, 0.3081, 0.3404



13.7291, 0.3272, 0.3260



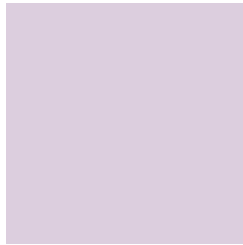
9.2847, 0.6230, 0.3206



0.6530, 0.5885, 0.3016

Previews

White Background



This preview shows how the Yxy color 64.6322, 0.3120, 0.3114 looks on a white background.

Color Contrast Check

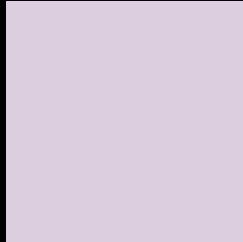
Large Text (above 18pt) WCAG AA × Fail

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 64.6322, 0.3120, 0.3114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

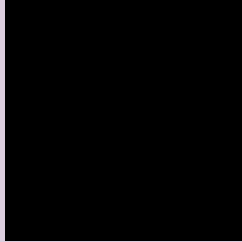
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

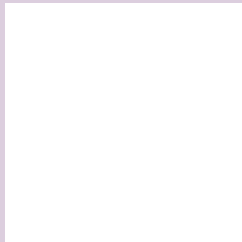
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6322, 0.3120, 0.3114

Background



This preview shows how black text looks on a background with the Yxy color 64.6322, 0.3120, 0.3114.

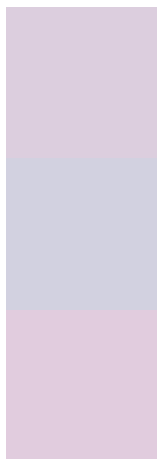


This preview shows how white text looks on a background with the Yxy color 64.6322, 0.3120, 0.3114.

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

64.6322, 0.3120, 0.3114

Protanopia

64.6844, 0.3032, 0.3122

Deuteranopia

64.4672, 0.3159, 0.3094



Tritanopia

64.6322, 0.3120, 0.3114

Trichromacy



Original Color

64.6322, 0.3120, 0.3114

Protanomaly

64.7356, 0.3068, 0.3123

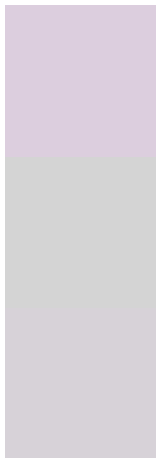
Deuteranomaly

64.6245, 0.3143, 0.3104

Tritanomaly

64.6322, 0.3120, 0.3114

Monochromacy



Original Color

64.6322, 0.3120, 0.3114

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.4981, 0.3123, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6322, 0.3120, 0.3114 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, 206, 222)` looks like.

```
.text, #text, p{  
    color:rgb(220, 206, 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(220, 206, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 206, 222) }
```

Border

The CSS property to change the border of an element to Yxy 64.6322, 0.3120, 0.3114 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, 206, 222) }
```

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

```
.border{ border-color:rgb(220, 206, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 206, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 206, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 206, 222);  
box-shadow:4px 4px 4px 4px rgb(220, 206,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6322, 0.3120, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 206, 222) }
```

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

```
.background{ background-color: rgb(220,  
206, 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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