

Converting Colors

$Y_{xy}(65.0600, 0.3145, 0.2993)$

Have a look what the booklet for
Yxy(65.0600, 0.3145, 0.2993)
contains.

Yxy(64.9432, 0.3149, 0.2991)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.9432, 0.3149, 0.2991)

Conversions

Conversions Part 1

Format	Color
Hex	E7CAE6
RGB	231, 202, 230
RGB Percent	91%, 79%, 90%
CMY	0.0939, 0.2079, 0.0979
CMYK	0.00, 0.13, 0.00, 0.09
HSL	302°, 38%, 85%
HSV	302°, 13%, 91%
XYZ	68.3738, 64.9432, 83.8117
YIQ	213.8630, 8.2960, 14.8560

Conversions

Conversions Part 2

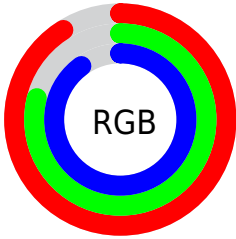
Format	Color
R _Y B	231, 202, 230
Decimal	15190758
CIE Lab	84.45, 15.02, -10.10
CIE LCh	84, 18.094, 326.087
Yxy	64.9432, 0.3149, 0.2991
Android (android.graphics.Color)	4293380838 (0xFFE7CAE6)
YUV	213.8630, 7.9555, 15.0291
Hunter-Lab	80.5873, 10.4194, -5.2511

Details

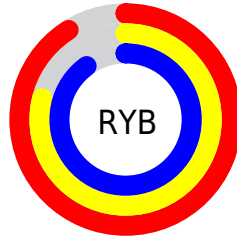
The Yxy color $64.9432, 0.3149, 0.2991$ is a light color, and the websafe version is hex FFCCFF . A complement of this color would be $74.0492, 0.3105, 0.3608$, and the grayscale version is $67.0954, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.3498, 0.3154, 0.2929$ is the 20% darker color. If you saturate the color by 10%, you get $54.8581, 0.3168, 0.2748$, and if you desaturate by 10%, it is $76.6574, 0.3131, 0.3230$.

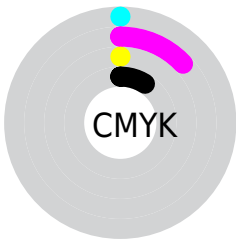
Distribution



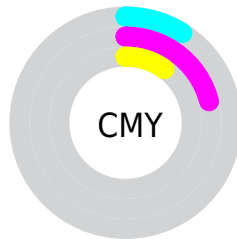
- Red (91%)
- Green (79%)
- Blue (90%)



- Red (91%)
- Yellow (79%)
- Blue (90%)



- Cyan (0%)
- Magenta (13%)
- Yellow (0%)
- Black (9%)





- Cyan (9%)
- Magenta (21%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9432, 0.3149, 0.2991 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 64.9432, 0.3149, 0.2991 by changing the saturation by 10% instead.


 64.9432, 0.3149,
0.2991

 64.9432, 0.3149,
0.2991

442.5878, 0.3140,
0.3129

 47.4150, 0.3151,
0.2960


111.9682, 0.3146,
0.3039

 33.3639, 0.3153,
0.2921


142.2338, 0.3145,
0.3057

 22.4053, 0.3155,
0.2872


177.5140, 0.3144,
0.3073

 14.1550, 0.3157,
0.2808

218.1932, 0.3143,
0.3087

 8.2286, 0.3160,
0.2721

264.6558, 0.3142,
0.3100

 4.2416, 0.3162,
0.2597

317.2862, 0.3141,

 1.8096, 0.3161,

0.3111

0.2403

376.4687, 0.3141,
0.3120

0.4931, 0.3214,
0.1898

0.0000, 0.0000,
0.0000

64.9432, 0.3149,
0.2991

64.9432, 0.3149,
0.2991

54.8581, 0.3168,
0.2748

76.6574, 0.3131,
0.3230

46.3218, 0.3188,
0.2508


90.0596, 0.3115,
0.3459

39.2596, 0.3208,
0.2279

94.3716, 0.3108,
0.3518


33.5878, 0.3228,
0.2072


94.4183, 0.3103,
0.3509


 29.2139, 0.3247,
0.1895


 94.4653, 0.3098,
0.3501


 26.0344, 0.3264,
0.1757


 94.5125, 0.3094,
0.3493


 23.9300, 0.3280,
0.1662

 94.5599, 0.3089,
0.3484

 22.7567, 0.3293,
0.1609

 94.6076, 0.3084,
0.3476

 22.3186, 0.3301,
0.1592

 94.6554, 0.3080,
0.3467

Harmonies

Analogous

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



64.9432, 0.2928, 0.2916



64.9432, 0.3149, 0.2991



64.9432, 0.3371, 0.3138

Triad

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



64.9432, 0.3149, 0.2991



64.9432, 0.3497, 0.3648



64.9432, 0.2740, 0.3233

Complementary

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



64.9432, 0.3149, 0.2991



74.0492, 0.3105, 0.3608

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.



64.9432, 0.2882, 0.3446



64.9432, 0.3149, 0.2991



64.9432, 0.3318, 0.3691

Square

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



64.9432, 0.3149, 0.2991



64.9432, 0.3576, 0.3511



64.9432, 0.3093, 0.3618



64.9432, 0.2697, 0.3046

Rectangle

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



64.9432, 0.3149, 0.2991



64.9432, 0.3488, 0.3261



64.9432, 0.3093, 0.3618



64.9432, 0.2777, 0.3304

Sweetspot

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



64.9460, 0.3149, 0.2991



93.6406, 0.3134, 0.3196



60.6959, 0.2934, 0.2960



19.7951, 0.3135, 0.3178



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.



64.9460, 0.3149, 0.2991



77.8899, 0.3154, 0.2930



64.1661, 0.3254, 0.3143



14.6059, 0.3143, 0.3067



12.5095, 0.3299, 0.1591



0.9272, 0.3285, 0.1583

Inverse Universe

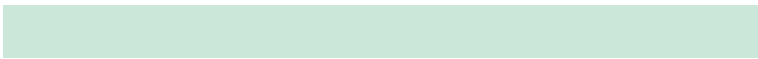
The Inverse Universe completely reimagines the original color for something new.



64.9460, 0.3149, 0.2991



77.8899, 0.3154, 0.2930



74.7719, 0.3016, 0.3442



14.6059, 0.3143, 0.3067



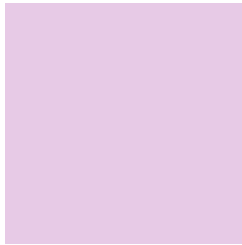
12.5095, 0.3299, 0.1591



0.9272, 0.3285, 0.1583

Previews

White Background



This preview shows how the Yxy color 64.9432, 0.3149, 0.2991 looks on a white background.

Color Contrast Check

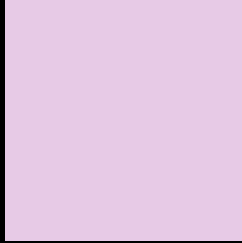
Large Text (above 18pt) WCAG AA × Fail

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 64.9432, 0.3149, 0.2991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

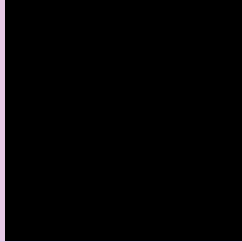
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9432, 0.3149, 0.2991

Background



This preview shows how black text looks on a background with the Yxy color 64.9432, 0.3149, 0.2991.



This preview shows how white text looks on a background with the Yxy color 64.9432, 0.3149, 0.2991.

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

64.9432, 0.3149, 0.2991

Protanopia

65.0090, 0.2946, 0.3001

Deuteranopia

65.0078, 0.3095, 0.3029



Tritanopia

65.1760, 0.3212, 0.3117

Trichromacy



Original Color

64.9432, 0.3149, 0.2991

Protanomaly

64.6247, 0.3016, 0.2994

Deuteranomaly

65.0116, 0.3117, 0.3020

Tritanomaly

64.9167, 0.3183, 0.3064

Monochromacy



Original Color

64.9432, 0.3149, 0.2991

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.4761, 0.3132, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9432, 0.3149, 0.2991 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(231, 202, 230)` looks like.

```
.text, #text, p{  
    color:rgb(231, 202, 230)  
}
```

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(231, 202, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 202, 230) }
```

Border

The CSS property to change the border of an element to Yxy 64.9432, 0.3149, 0.2991 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(231, 202, 230) }
```

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

```
.border{ border-color:rgb(231, 202, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 202, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 202, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 202, 230);  
box-shadow:4px 4px 4px 4px rgb(231, 202,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9432, 0.3149, 0.2991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 202, 230) }
```

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

```
.background{ background-color: rgb(231,  
202, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor