

Converting Colors

Yxy(65.6536, 0.3189, 0.3137)

Have a look what the booklet for
Yxy(65.6536, 0.3189, 0.3137)
contains.

Yxy(65.6408, 0.3187, 0.3138)	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(65.6408, 0.3187, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	E3CEDC
RGB	227, 206, 220
RGB Percent	89%, 81%, 86%
CMY	0.1099, 0.1921, 0.1372
CMYK	0.00, 0.09, 0.03, 0.11
HSL	320°, 27%, 85%
HSV	320°, 9%, 89%
XYZ	66.6658, 65.6408, 76.8738
YIQ	213.8750, 8.0220, 8.8060

Conversions

Conversions Part 2

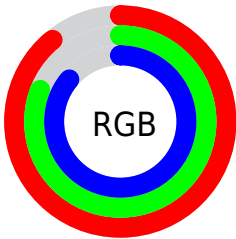
Format	Color
R _Y B	227, 206, 220
Decimal	14929628
CIE Lab	84.81, 9.71, -4.27
CIE LCh	85, 10.608, 336.244
Yxy	65.6408, 0.3187, 0.3138
Android (android.graphics.Color)	4293119708 (0xFFE3CEDC)
YUV	213.8750, 3.0196, 11.5106
Hunter-Lab	81.0190, 5.0939, 0.4568

Details

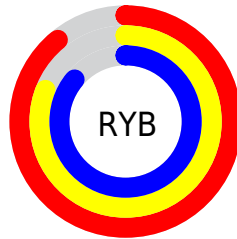
The Yxy color $65.6408, 0.3187, 0.3138$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $72.8572, 0.3072, 0.3447$, and the grayscale version is $67.1330, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.9437, 0.3206, 0.3106$ is the 20% darker color. If you saturate the color by 10%, you get $55.1009, 0.3263, 0.2966$, and if you desaturate by 10%, it is $77.7827, 0.3123, 0.3302$.

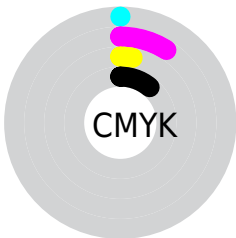
Distribution



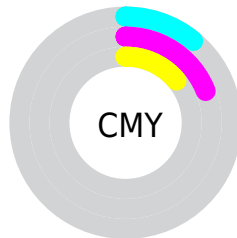
- Red (89%)
- Green (81%)
- Blue (86%)



- Red (89%)
- Yellow (81%)
- Blue (86%)



- Cyan (0%)
- Magenta (9%)
- Yellow (3%)
- Black (11%)





- Cyan (11%)
- Magenta (19%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6408, 0.3187, 0.3138 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 65.6408, 0.3187, 0.3138 by changing the saturation by 10% instead.


 65.6408, 0.3187,
0.3138

 65.6408, 0.3187,
0.3138


445.0912, 0.3159,
0.3209

 47.9809, 0.3193,
0.3122


112.9706, 0.3177,
0.3163

 33.8117, 0.3201,
0.3101


143.4093, 0.3174,
0.3172

 22.7490, 0.3211,
0.3076


178.8764, 0.3170,
0.3181

 14.4083, 0.3224,
0.3042

219.7562, 0.3168,
0.3188

 8.4052, 0.3243,
0.2995

266.4332, 0.3165,
0.3194

 4.3553, 0.3269,
0.2927

319.2918, 0.3163,

 1.8742, 0.3311,

0.3200

0.2819

378.7163, 0.3161,
0.3204

0.5328, 0.3450,
0.2472

0.0000, 0.0000,
0.0000

65.6408, 0.3187,
0.3138

65.6408, 0.3187,
0.3138

55.1009, 0.3263,
0.2966

77.7827, 0.3123,
0.3302

46.0868, 0.3353,
0.2791

91.5815, 0.3069,
0.3456

38.5290, 0.3456,
0.2617

94.2988, 0.3026,
0.3414

32.3492, 0.3573,
0.2454

94.7633, 0.2984,
0.3338

■ 27.4616, 0.3703,
0.2310

■ 95.0687, 0.2958,
0.3290

■ 23.7708, 0.3843,
0.2198

■ 21.1681, 0.3989,
0.2127

■ 19.5248, 0.4135,
0.2107

■ 18.6360, 0.4277,
0.2133

Harmonies

Analogous

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



65.6408, 0.3053, 0.3077



65.6408, 0.3187, 0.3138



65.6408, 0.3307, 0.3238

Triad

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



65.6408, 0.3187, 0.3138



65.6408, 0.3314, 0.3514



65.6408, 0.2883, 0.3219

Complementary

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



65.6408, 0.3187, 0.3138



72.8572, 0.3072, 0.3447

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.



65.6408, 0.2949, 0.3340



65.6408, 0.3187, 0.3138



65.6408, 0.3197, 0.3514

Square

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



65.6408, 0.3187, 0.3138



65.6408, 0.3381, 0.3454



65.6408, 0.3064, 0.3450



65.6408, 0.2880, 0.3121

Rectangle

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



65.6408, 0.3187, 0.3138



65.6408, 0.3362, 0.3314



65.6408, 0.3064, 0.3450



65.6408, 0.2898, 0.3259

Sweetspot

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



65.6437, 0.3187, 0.3138



95.0531, 0.3146, 0.3241



63.7865, 0.3032, 0.3056



20.0693, 0.3151, 0.3228



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.



65.6437, 0.3187, 0.3138



82.8046, 0.3200, 0.3107



65.1216, 0.3260, 0.3248



14.5295, 0.3189, 0.3134



10.8598, 0.4267, 0.2124



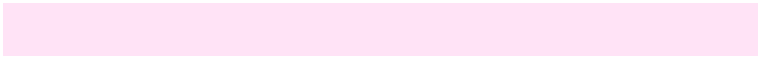
0.8196, 0.4074, 0.2018

Inverse Universe

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



65.6437, 0.3187, 0.3138



82.8046, 0.3200, 0.3107



73.3892, 0.3009, 0.3332



14.5295, 0.3189, 0.3134



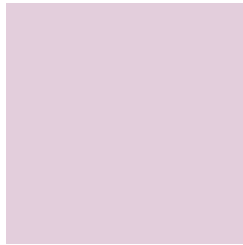
10.8598, 0.4267, 0.2124



0.8196, 0.4074, 0.2018

Previews

White Background



This preview shows how the Yxy color 65.6408, 0.3187, 0.3138 looks on a white background.

Color Contrast Check

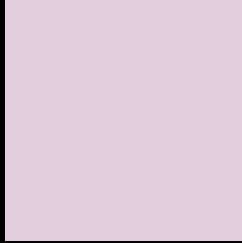
Large Text (above 18pt) WCAG AA × Fail

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 65.6408, 0.3187, 0.3138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

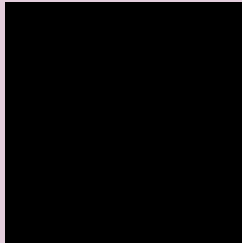
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.6408, 0.3187, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 65.6408, 0.3187, 0.3138.

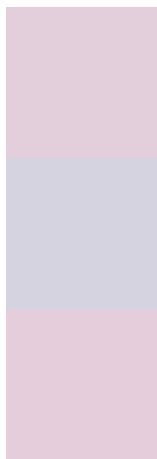


This preview shows how white text looks on a background with the Yxy color 65.6408, 0.3187, 0.3138.

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

65.6408, 0.3187, 0.3138

Protanopia

65.9133, 0.3053, 0.3156

Deuteranopia

65.4880, 0.3203, 0.3128



Tritanopia

65.7474, 0.3173, 0.3117

Trichromacy



Original Color

65.6408, 0.3187, 0.3138

Protanomaly

65.6266, 0.3097, 0.3146

Deuteranomaly

65.3239, 0.3196, 0.3127

Tritanomaly

65.6940, 0.3180, 0.3127

Monochromacy



Original Color

65.6408, 0.3187, 0.3138

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.6065, 0.3152, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6408, 0.3187, 0.3138 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(227, 206, 220)` looks like.

```
.text, #text, p{  
    color:rgb(227, 206, 220)  
}
```

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(227, 206, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 206, 220) }
```

Border

The CSS property to change the border of an element to Yxy 65.6408, 0.3187, 0.3138 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(227, 206, 220) }
```

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

```
.border{ border-color:rgb(227, 206, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 206, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 206, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 206, 220);  
box-shadow:4px 4px 4px 4px rgb(227, 206,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6408, 0.3187, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 206, 220) }
```

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

```
.background{ background-color: rgb(227,  
206, 220) }
```

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