

Converting Colors

$Yxy(65.3991, 0.3109, 0.3212)$

Have a look what the booklet for
Yxy(65.3991, 0.3109, 0.3212)
contains.

Yxy(65.3991, 0.3109, 0.3212)	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(65.3991, 0.3109, 0.3212)

Conversions

Conversions Part 1

Format	Color
Hex	D6D2D9
RGB	214, 210, 217
RGB Percent	84%, 82%, 85%
CMY	0.1607, 0.1765, 0.1492
CMYK	0.01, 0.03, 0.00, 0.15
HSL	275°, 8%, 84%
HSV	275°, 3%, 85%
XYZ	63.3019, 65.3991, 74.9076
YIQ	211.9940, 0.1370, 3.0250

Conversions

Conversions Part 2

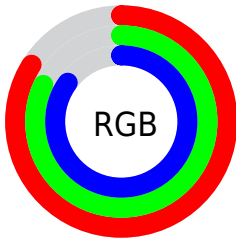
Format	Color
R_{YB}	214, 210, 217
Decimal	14078681
CIE Lab	84.69, 2.64, -2.96
CIE LCh	85, 3.964, 311.793
Yxy	65.3991, 0.3109, 0.3212
Android (android.graphics.Color)	4292268761 (0xFFD6D2D9)
YUV	211.9940, 2.4680, 1.7593
Hunter-Lab	80.8697, -1.7985, 1.6899

Details

The Yxy color **65.3991, 0.3109, 0.3212** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.4001, 0.3145, 0.3368**, and the grayscale version is **65.8191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.7565, 0.3102, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **54.0603, 0.3046, 0.2956**, and if you desaturate by 10%, it is **78.2739, 0.3162, 0.3448**.

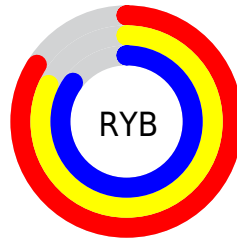
Distribution



Red (84%)

Green (82%)

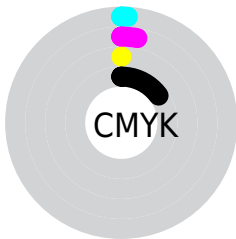
Blue (85%)



Red (84%)

Yellow (82%)

Blue (85%)

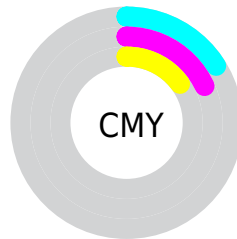


Cyan (1%)

Magenta (3%)

Yellow (0%)

Black (15%)



Cyan (16%)

Magenta (18%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3991, 0.3109, 0.3212 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 65.3991, 0.3109, 0.3212 by changing the saturation by 10% instead.

■ 65.3991, 0.3109,
0.3212

■ 65.3991, 0.3109,
0.3212

444.2248, 0.3118,
0.3249

■ 47.7848, 0.3107,
0.3203

112.6234, 0.3112,
0.3225

■ 33.6565, 0.3104,
0.3193

143.0023, 0.3113,
0.3230

■ 22.6298, 0.3101,
0.3179

178.4047, 0.3114,
0.3234

■ 14.3204, 0.3097,
0.3161

219.2151, 0.3115,
0.3238

■ 8.3439, 0.3090,
0.3136

265.8179, 0.3116,
0.3241

■ 4.3157, 0.3081,
0.3099

318.5976, 0.3117,

■ 1.8517, 0.3065,

0.3244

0.3039

377.9384, 0.3117,
0.3246

■ 0.5191, 0.3017,
0.2808

■ 0.0000, 0.0000,
0.0000

■ 65.3991, 0.3109,
0.3212

■ 65.3991, 0.3109,
0.3212

■ 54.0603, 0.3046,
0.2956

■ 78.2739, 0.3162,
0.3448

■ 44.1899, 0.2971,
0.2683

■ 92.7323, 0.3207,
0.3663

■ 35.7273, 0.2886,
0.2398

■ 95.3327, 0.3264,
0.3672

■ 28.6047, 0.2790,
0.2110

■ 96.9966, 0.3324,
0.3665

■ 22.7484, 0.2684,
0.1829

■ 97.7879, 0.3352,
0.3661

■ 18.0772, 0.2572,
0.1568

■ 14.5005, 0.2457,
0.1342

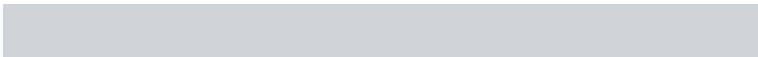
■ 11.9137, 0.2344,
0.1161

■ 10.1910, 0.2238,
0.1032

Harmonies

Analogous

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



65.3991, 0.3064, 0.3206



65.3991, 0.3109, 0.3212



65.3991, 0.3159, 0.3239

Triad

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



65.3991, 0.3109, 0.3212



65.3991, 0.3219, 0.3358



65.3991, 0.3054, 0.3301

Complementary

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



65.3991, 0.3109, 0.3212



68.4001, 0.3145, 0.3368

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.



65.3991, 0.3095, 0.3343



65.3991, 0.3109, 0.3212



65.3991, 0.3190, 0.3375

Square

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



65.3991, 0.3109, 0.3212



65.3991, 0.3223, 0.3322



65.3991, 0.3145, 0.3370



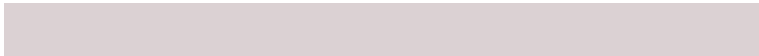
65.3991, 0.3033, 0.3257

Rectangle

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



65.3991, 0.3109, 0.3212



65.3991, 0.3189, 0.3265



65.3991, 0.3145, 0.3370



65.3991, 0.3066, 0.3316

Sweetspot

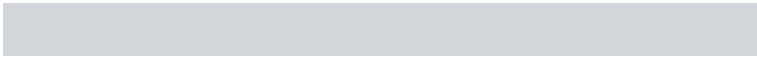
The Sweet Spot groups the original color and five complimentary colors.



65.4019, 0.3109, 0.3212



98.1795, 0.3122, 0.3266



66.3091, 0.3079, 0.3245



21.0336, 0.3122, 0.3267



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.



65.4019, 0.3109, 0.3212



92.8535, 0.3104, 0.3192



65.8255, 0.3134, 0.3218



14.1987, 0.3100, 0.3175



5.7387, 0.2184, 0.0977



0.4221, 0.2347, 0.1067

Inverse Universe

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



65.6434, 0.3159, 0.3257



93.2910, 0.3167, 0.3249



67.9864, 0.3120, 0.3363



14.2778, 0.3174, 0.3241



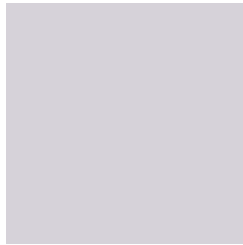
9.4170, 0.5270, 0.2677



0.6271, 0.4853, 0.2447

Previews

White Background



This preview shows how the Yxy color 65.3991, 0.3109, 0.3212 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 65.3991, 0.3109, 0.3212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

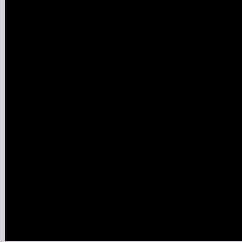
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

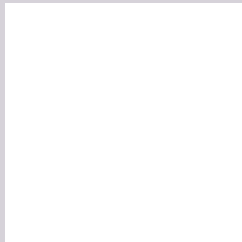
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.3991, 0.3109, 0.3212

Background



This preview shows how black text looks on a background with the Yxy color 65.3991, 0.3109, 0.3212.

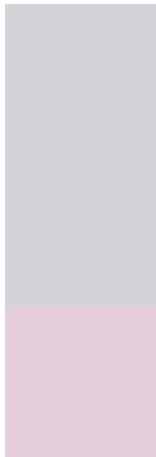


This preview shows how white text looks on a background with the Yxy color 65.3991, 0.3109, 0.3212.

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

65.3991, 0.3109, 0.3212

Protanopia

65.2491, 0.3101, 0.3211

Deuteranopia

65.3826, 0.3218, 0.3149



Tritanopia

65.4842, 0.3062, 0.3113

Trichromacy



Original Color

65.3991, 0.3109, 0.3212

Protanomaly

65.2491, 0.3101, 0.3211

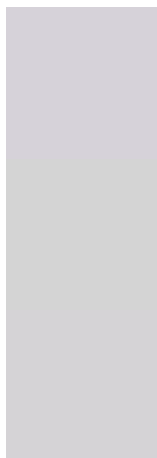
Deuteranomaly

65.5349, 0.3178, 0.3170

Tritanomaly

65.3219, 0.3082, 0.3145

Monochromacy



Original Color

65.3991, 0.3109, 0.3212

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.5897, 0.3121, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3991, 0.3109, 0.3212 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(214, 210, 217)` looks like.

```
.text, #text, p{  
    color:rgb(214, 210, 217)  
}
```

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(214, 210, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 210, 217) }
```

Border

The CSS property to change the border of an element to Yxy 65.3991, 0.3109, 0.3212 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(214, 210, 217) }
```

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

```
.border{ border-color:rgb(214, 210, 217) }
```

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

Here you see how a box with a 4 pixel rgb(214, 210, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 210, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 210, 217);  
box-shadow:4px 4px 4px 4px rgb(214, 210,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3991, 0.3109, 0.3212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 210, 217) }
```

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

```
.background{ background-color: rgb(214,  
210, 217) }
```

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