

Converting Colors

Yxy(68.0838, 0.3144, 0.3251)

Have a look what the booklet for
Yxy(68.0838, 0.3144, 0.3251)
contains.

Yxy(68.1630, 0.3143, 0.3257)	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(68.1630, 0.3143, 0.3257)

Conversions

Conversions Part 1

Format	Color
Hex	DBD6D9
RGB	219, 214, 217
RGB Percent	86%, 84%, 85%
CMY	0.1413, 0.1607, 0.1490
CMYK	0.00, 0.02, 0.01, 0.14
HSL	324°, 6%, 85%
HSV	324°, 2%, 86%
XYZ	65.7772, 68.1630, 75.3414
YIQ	215.8370, 2.0170, 1.9930

Conversions

Conversions Part 2

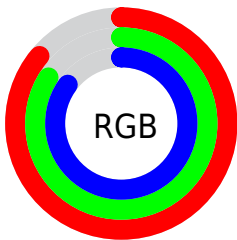
Format	Color
R _Y B	219, 214, 217
Decimal	14407385
CIE Lab	86.09, 2.23, -0.88
CIE LCh	86, 2.399, 338.390
Yxy	68.1630, 0.3143, 0.3257
Android (android.graphics.Color)	4292597465 (0xFFD6D9)
YUV	215.8370, 0.5734, 2.7740
Hunter-Lab	82.5609, -2.2686, 3.6872

Details

The Yxy color **68.1630, 0.3143, 0.3257** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.8997, 0.3112, 0.3323**, and the grayscale version is **68.5467, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.2974, 0.3148, 0.3247** is the 20% darker color. If you saturate the color by 10%, you get **57.3781, 0.3221, 0.3106**, and if you desaturate by 10%, it is **80.4673, 0.3078, 0.3399**.

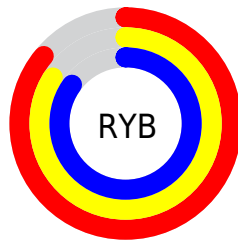
Distribution



Red (86%)

Green (84%)

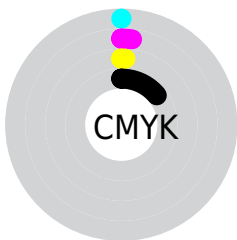
Blue (85%)



Red (86%)

Yellow (84%)

Blue (85%)

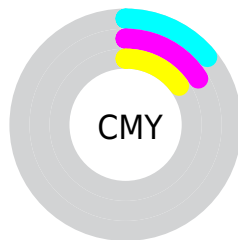


Cyan (0%)

Magenta (2%)

Yellow (1%)

Black (14%)



Cyan (14%)

Magenta (16%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1630, 0.3143, 0.3257 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 68.1630, 0.3143, 0.3257 by changing the saturation by 10% instead.

■ 68.1630, 0.3143,
0.3257

■ 68.1630, 0.3143,
0.3257

454.0733, 0.3136,
0.3273

■ 50.0304, 0.3145,
0.3253

116.5853, 0.3140,
0.3262

■ 35.4375, 0.3147,
0.3249

147.6437, 0.3139,
0.3265

■ 24.0001, 0.3150,
0.3243

183.7796, 0.3139,
0.3266

■ 15.3337, 0.3153,
0.3236

225.3772, 0.3138,
0.3268

■ 9.0539, 0.3158,
0.3225

272.8210, 0.3137,
0.3269

■ 4.7764, 0.3165,
0.3210

326.4953, 0.3137,

■ 2.1167, 0.3177,

0.3270

386.7846, 0.3136,
0.3272

0.3186

0.6740, 0.3211,
0.3114

0.0000, 0.0000,
0.0000

68.1630, 0.3143,
0.3257

68.1630, 0.3143,
0.3257

57.3781, 0.3221,
0.3106

80.4673, 0.3078,
0.3399

48.0442, 0.3315,
0.2948

92.5330, 0.3024,
0.3503

40.1012, 0.3425,
0.2788

93.0433, 0.2976,
0.3413

33.4809, 0.3553,
0.2631

93.5782, 0.2929,
0.3324

■ 28.1096, 0.3699,
0.2486

■ 93.7947, 0.2911,
0.3289

■ 23.9064, 0.3861,
0.2363

■ 20.7804, 0.4037,
0.2274

■ 18.6276, 0.4219,
0.2229

■ 17.3228, 0.4401,
0.2237

Harmonies

Analogous

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



68.1630, 0.3113, 0.3242



68.1630, 0.3143, 0.3257



68.1630, 0.3169, 0.3281

Triad

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



68.1630, 0.3143, 0.3257



68.1630, 0.3167, 0.3340



68.1630, 0.3071, 0.3273

Complementary

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



68.1630, 0.3143, 0.3257



69.8997, 0.3112, 0.3323

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.



68.1630, 0.3086, 0.3300



68.1630, 0.3143, 0.3257



68.1630, 0.3141, 0.3339

Square

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



68.1630, 0.3143, 0.3257



68.1630, 0.3183, 0.3329



68.1630, 0.3111, 0.3324



68.1630, 0.3072, 0.3251

Rectangle

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



68.1630, 0.3143, 0.3257



68.1630, 0.3180, 0.3298



68.1630, 0.3111, 0.3324



68.1630, 0.3075, 0.3282

Sweetspot

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



68.1659, 0.3143, 0.3257



98.3191, 0.3134, 0.3275



67.7993, 0.3108, 0.3235



21.0620, 0.3134, 0.3276



0.0000, 0.0000, 0.0000



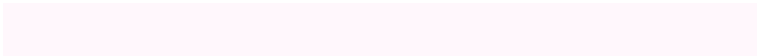
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1659, 0.3143, 0.3257



95.0227, 0.3149, 0.3246



68.0411, 0.3159, 0.3284



14.5306, 0.3154, 0.3235



9.9478, 0.4513, 0.2260



0.6613, 0.4243, 0.2111

Inverse Universe

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



68.1659, 0.3143, 0.3257



95.0227, 0.3149, 0.3246



70.0256, 0.3096, 0.3296



14.5306, 0.3154, 0.3235



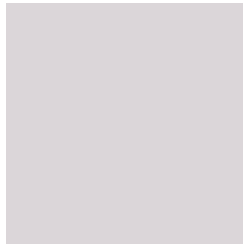
9.9478, 0.4513, 0.2260



0.6613, 0.4243, 0.2111

Previews

White Background



This preview shows how the Yxy color 68.1630, 0.3143, 0.3257 looks on a white background.

Color Contrast Check

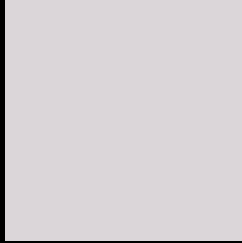
Large Text (above 18pt) WCAG AA × Fail

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 68.1630, 0.3143, 0.3257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

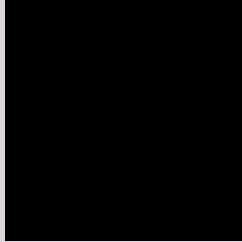
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

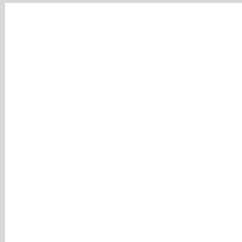
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1630, 0.3143, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 68.1630, 0.3143, 0.3257.

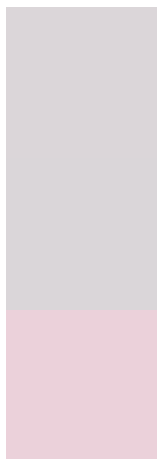


This preview shows how white text looks on a background with the Yxy color 68.1630, 0.3143, 0.3257.

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

68.1630, 0.3143, 0.3257

Protanopia

68.0083, 0.3136, 0.3257

Deuteranopia

68.3251, 0.3260, 0.3194



Tritanopia

68.1163, 0.3078, 0.3106

Trichromacy



Original Color

68.1630, 0.3143, 0.3257

Protanomaly

68.0083, 0.3136, 0.3257

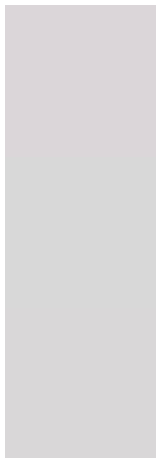
Deuteranomaly

68.3085, 0.3213, 0.3215

Tritanomaly

68.2404, 0.3097, 0.3159

Monochromacy



Original Color

68.1630, 0.3143, 0.3257

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

68.3105, 0.3135, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1630, 0.3143, 0.3257 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(219, 214, 217) looks like.

```
.text, #text, p{  
    color:rgb(219, 214, 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(219, 214, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 214, 217) }
```

Border

The CSS property to change the border of an element to Yxy 68.1630, 0.3143, 0.3257 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(219, 214, 217) }
```

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

```
.border{ border-color:rgb(219, 214, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 214, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 214, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 214, 217);  
box-shadow:4px 4px 4px 4px rgb(219, 214,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1630, 0.3143, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 214, 217) }
```

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

```
.background{ background-color: rgb(219,  
214, 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