

Converting Colors

Yxy(68.9480, 0.3053, 0.3322)

Have a look what the booklet for
Yxy(68.9480, 0.3053, 0.3322)
contains.

Yxy(68.7427, 0.3055, 0.3324)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.7427, 0.3055, 0.3324)

Conversions

Conversions Part 1

Format	Color
Hex	CEDBD8
RGB	206, 219, 216
RGB Percent	81%, 86%, 85%
CMY	0.1921, 0.1412, 0.1530
CMYK	0.06, 0.00, 0.01, 0.14
HSL	166°, 15%, 83%
HSV	166°, 6%, 86%
XYZ	63.1796, 68.7427, 74.8849
YIQ	214.7710, -6.7850, -3.6890

Conversions

Conversions Part 2

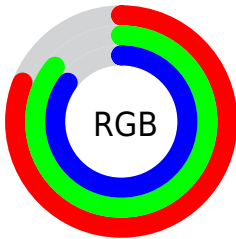
Format	Color
R _Y B	206, 213, 219
Decimal	13556696
CIE Lab	86.38, -4.91, -0.03
CIE LCh	86, 4.913, 180.328
Yxy	68.7427, 0.3055, 0.3324
Android (android.graphics.Color)	4291746776 (0xFFCEDBD8)
YUV	214.7710, 0.6059, -7.6922
Hunter-Lab	82.9112, -9.0750, 4.4875

Details

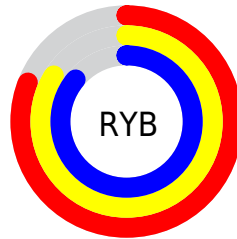
The Yxy color **68.7427, 0.3055, 0.3324** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.8164, 0.3205, 0.3256**, and the grayscale version is **67.7934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.7995, 0.3042, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **65.5659, 0.2937, 0.3386**, and if you desaturate by 10%, it is **72.3703, 0.3177, 0.3268**.

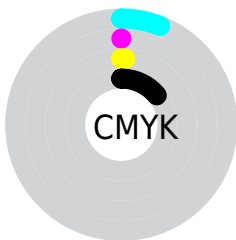
Distribution



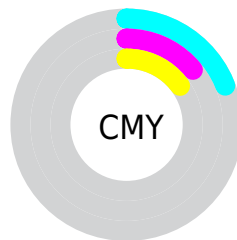
- Red (81%)
- Green (86%)
- Blue (85%)



- Red (81%)
- Yellow (84%)
- Blue (86%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (14%)



- Cyan (19%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7427, 0.3055, 0.3324 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 68.7427, 0.3055, 0.3324 by changing the saturation by 10% instead.

■ 68.7427, 0.3055,
0.3324

■ 68.7427, 0.3055,
0.3324

456.1230, 0.3089,
0.3308

■ 50.5022, 0.3047,
0.3328

117.4140, 0.3067,
0.3318

■ 35.8126, 0.3037,
0.3332

148.6136, 0.3071,
0.3316

■ 24.2895, 0.3025,
0.3338

184.9016, 0.3075,
0.3315

■ 15.5485, 0.3009,
0.3346

226.6626, 0.3079,
0.3313

■ 9.2052, 0.2986,
0.3356

274.2808, 0.3082,
0.3312

■ 4.8753, 0.2953,
0.3372

328.1407, 0.3084,

■ 2.1743, 0.2899,

0.3310

388.6266, 0.3087,
0.3309

0.3397

0.7059, 0.2718,
0.3482

0.0000, 0.0000,
0.0000

68.7427, 0.3055,
0.3324

68.7427, 0.3055,
0.3324

65.5659, 0.2937,
0.3386

72.3703, 0.3177,
0.3268

62.8131, 0.2826,
0.3454


76.4569, 0.3301,
0.3218

60.4680, 0.2724,
0.3528


77.7121, 0.3304,
0.3168

58.5098, 0.2636,
0.3606

78.0056, 0.3268,
0.3118

 56.9158, 0.2563,
0.3688


 78.3077, 0.3233,
0.3068


 55.6611, 0.2508,
0.3773


 78.6184, 0.3199,
0.3019

 54.7174, 0.2472,
0.3860

 78.9378, 0.3165,
0.2971

 54.0519, 0.2456,
0.3947

 79.1452, 0.3144,
0.2940

 53.6238, 0.2459,
0.4033

Harmonies

Analogous

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



68.7427, 0.3111, 0.3370



68.7427, 0.3055, 0.3324



68.7427, 0.3019, 0.3269

Triad

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



68.7427, 0.3055, 0.3324



68.7427, 0.3082, 0.3189



68.7427, 0.3245, 0.3358

Complementary

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



68.7427, 0.3055, 0.3324



63.8164, 0.3205, 0.3256

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.



68.7427, 0.3237, 0.3309



68.7427, 0.3055, 0.3324



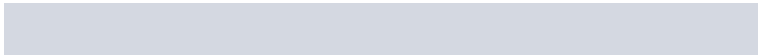
68.7427, 0.3143, 0.3213

Square

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



68.7427, 0.3055, 0.3324



68.7427, 0.3034, 0.3192



68.7427, 0.3200, 0.3256



68.7427, 0.3221, 0.3389

Rectangle

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



68.7427, 0.3055, 0.3324



68.7427, 0.3010, 0.3236



68.7427, 0.3200, 0.3256



68.7427, 0.3246, 0.3343

Sweetspot

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



68.7456, 0.3055, 0.3324



98.9691, 0.3102, 0.3301



68.7158, 0.3144, 0.3437



21.1943, 0.3104, 0.3301



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.



68.7456, 0.3055, 0.3324



96.5049, 0.3041, 0.3331



67.2259, 0.3036, 0.3253



14.9104, 0.3036, 0.3334



31.7323, 0.2460, 0.4055



2.0687, 0.2421, 0.3915

Inverse Universe

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



63.8164, 0.3205, 0.3256



88.2851, 0.3220, 0.3250



65.2475, 0.3223, 0.3327



13.5540, 0.3227, 0.3247



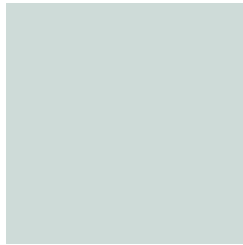
9.0863, 0.5970, 0.3063



0.6020, 0.5506, 0.2807

Previews

White Background



This preview shows how the Yxy color 68.7427, 0.3055, 0.3324 looks on a white background.

Color Contrast Check

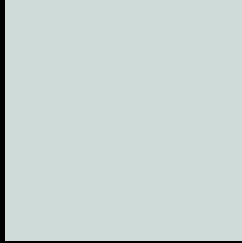
Large Text (above 18pt) WCAG AA × Fail

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 68.7427, 0.3055, 0.3324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

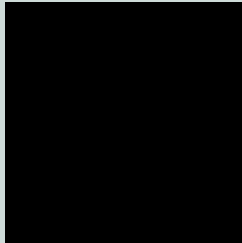
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

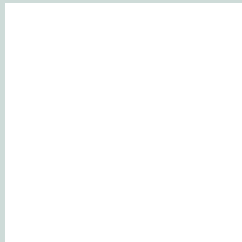
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7427, 0.3055, 0.3324

Background



This preview shows how black text looks on a background with the Yxy color 68.7427, 0.3055, 0.3324.



This preview shows how white text looks on a background with the Yxy color 68.7427, 0.3055, 0.3324.

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





Tritanopia

68.5502, 0.2967, 0.3102

Trichromacy



Original Color

68.7427, 0.3055, 0.3324

Protanomaly

68.4651, 0.3127, 0.3301

Deuteranomaly

68.6058, 0.3188, 0.3247

Tritanomaly

68.5817, 0.2998, 0.3178

Monochromacy



Original Color

68.7427, 0.3055, 0.3324

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.0151, 0.3105, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7427, 0.3055, 0.3324 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(206, 219, 216)` looks like.

```
.text, #text, p{  
    color:rgb(206, 219, 216)  
}
```

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(206, 219, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 219, 216) }
```

Border

The CSS property to change the border of an element to Yxy 68.7427, 0.3055, 0.3324 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(206, 219, 216) }
```

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

```
.border{ border-color:rgb(206, 219, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 219, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 219, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 219, 216);  
box-shadow:4px 4px 4px 4px rgb(206, 219,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7427, 0.3055, 0.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 219, 216) }
```

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

```
.background{ background-color: rgb(206,  
219, 216) }
```

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