

Converting Colors

$Yxy(72.7617, 0.3039, 0.3409)$

Have a look what the booklet for
Yxy(72.7617, 0.3039, 0.3409)
contains.

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Color

Yxy(72.7334, 0.3039, 0.3413)

Conversions

Conversions Part 1

Format	Color
Hex	CCE3D8
RGB	204, 227, 216
RGB Percent	80%, 89%, 85%
CMY	0.2001, 0.1098, 0.1528
CMYK	0.10, 0.00, 0.05, 0.11
HSL	151°, 29%, 85%
HSV	151°, 10%, 89%
XYZ	64.7632, 72.7334, 75.6103
YIQ	218.8690, -10.1770, -8.2970

Conversions

Conversions Part 2

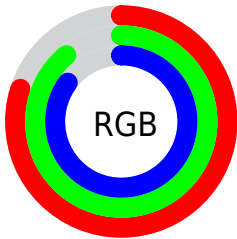
Format	Color
R_{YB}	204, 219, 227
Decimal	13427672
CIE Lab	88.32, -9.68, 2.76
CIE LCh	88, 10.061, 164.107
Yxy	72.7334, 0.3039, 0.3413
Android (android.graphics.Color)	4291617752 (0xFFCCE3D8)
YUV	218.8690, -1.4144, -13.0401
Hunter-Lab	85.2839, -13.6968, 7.1338

Details

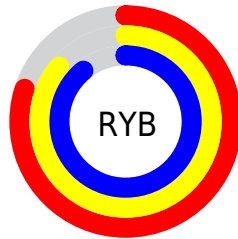
The Yxy color **72.7334, 0.3039, 0.3413** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.4105, 0.3225, 0.3170**, and the grayscale version is **70.7583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.5623, 0.3022, 0.3452** is the 20% darker color. If you saturate the color by 10%, you get **69.2180, 0.2955, 0.3548**, and if you desaturate by 10%, it is **76.7593, 0.3126, 0.3292**.

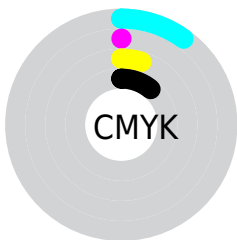
Distribution



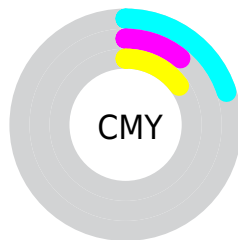
- Red (80%)
- Green (89%)
- Blue (85%)



- Red (80%)
- Yellow (86%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (11%)



- Cyan (20%)
- Magenta (11%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7334, 0.3039, 0.3413 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 72.7334, 0.3039, 0.3413 by changing the saturation by 10% instead.

■ 72.7334, 0.3039,
0.3413

■ 72.7334, 0.3039,
0.3413

470.0903, 0.3080,
0.3356

■ 53.7580, 0.3030,
0.3426

123.0987, 0.3053,
0.3393

■ 38.4082, 0.3018,
0.3443

155.2573, 0.3059,
0.3385

■ 26.2997, 0.3003,
0.3464

192.5792, 0.3064,
0.3379

■ 17.0480, 0.2983,
0.3492

235.4486, 0.3068,
0.3373

■ 10.2687, 0.2956,
0.3530

284.2501, 0.3071,
0.3368

■ 5.5775, 0.2916,
0.3586

339.3679, 0.3075,

■ 2.5899, 0.2853,

0.3363

0.3677

401.1865, 0.3078,
0.3359

■ 0.9216, 0.2696,
0.3887

■ 0.0000, 0.0000,
0.0000

■ 72.7334, 0.3039,
0.3413

■ 72.7334, 0.3039,
0.3413

■ 69.2180, 0.2955,
0.3548

■ 76.7593, 0.3126,
0.3292

■ 66.1831, 0.2876,
0.3698

■ 81.3061, 0.3213,
0.3184

■ 63.6093, 0.2805,
0.3860

■ 83.0111, 0.3182,
0.3081

■ 61.4726, 0.2745,
0.4035

■ 83.4231, 0.3140,
0.3019

■ 59.7465, 0.2700,
0.4218

■ 58.4016, 0.2673,
0.4406

■ 57.4044, 0.2666,
0.4594

■ 56.7153, 0.2679,
0.4777

■ 56.2703, 0.2708,
0.4950

Harmonies

Analogous

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



72.7334, 0.3160, 0.3485



72.7334, 0.3039, 0.3413



72.7334, 0.2943, 0.3307

Triad

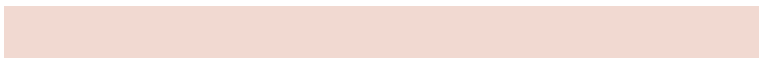
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7334, 0.3039, 0.3413



72.7334, 0.2980, 0.3085



72.7334, 0.3364, 0.3374

Complementary

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



72.7334, 0.3039, 0.3413



64.4105, 0.3225, 0.3170

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.



72.7334, 0.3314, 0.3269



72.7334, 0.3039, 0.3413



72.7334, 0.3091, 0.3105

Square

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



72.7334, 0.3039, 0.3413



72.7334, 0.2909, 0.3118



72.7334, 0.3214, 0.3172



72.7334, 0.3349, 0.3460

Rectangle

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



72.7334, 0.3039, 0.3413



72.7334, 0.2905, 0.3233



72.7334, 0.3214, 0.3172



72.7334, 0.3355, 0.3340

Sweetspot

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



72.7365, 0.3039, 0.3413



98.3452, 0.3101, 0.3325



73.7651, 0.3193, 0.3546



20.9575, 0.3094, 0.3335



0.0000, 0.0000, 0.0000



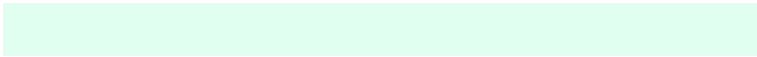
21.4041, 0.3127, 0.3290

Same Dimension

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



72.7365, 0.3039, 0.3413



93.7472, 0.3022, 0.3438



73.1138, 0.2971, 0.3285



16.2146, 0.3045, 0.3404



32.8378, 0.2701, 0.4924



2.4454, 0.2629, 0.4666

Inverse Universe

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



64.4105, 0.3225, 0.3170



81.0178, 0.3246, 0.3147



64.0477, 0.3306, 0.3295



14.4818, 0.3218, 0.3178



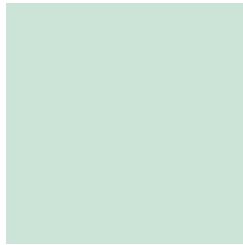
10.1815, 0.5053, 0.2557



0.7711, 0.4713, 0.2370

Previews

White Background



This preview shows how the Yxy color 72.7334, 0.3039, 0.3413 looks on a white background.

Color Contrast Check

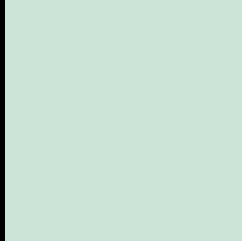
Large Text (above 18pt) WCAG AA × Fail

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 72.7334, 0.3039, 0.3413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

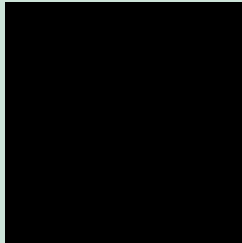
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

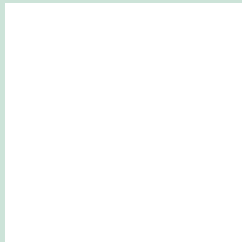
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.7334, 0.3039, 0.3413

Background



This preview shows how black text looks on a background with the Yxy color 72.7334, 0.3039, 0.3413.

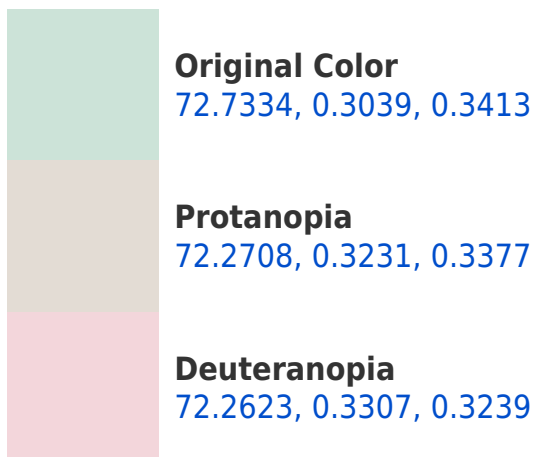


This preview shows how white text looks on a background with the Yxy color 72.7334, 0.3039, 0.3413.

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

72.5361, 0.2912, 0.3094

Trichromacy



Original Color

72.7334, 0.3039, 0.3413

Protanomaly

72.6395, 0.3164, 0.3400

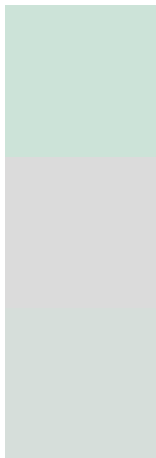
Deuteranomaly

72.3830, 0.3206, 0.3301

Tritanomaly

72.4029, 0.2961, 0.3202

Monochromacy



Original Color

72.7334, 0.3039, 0.3413

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.6006, 0.3097, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7334, 0.3039, 0.3413 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(204, 227, 216)` looks like.

```
.text, #text, p{  
    color:rgb(204, 227, 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(204, 227, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 227, 216) }
```

Border

The CSS property to change the border of an element to Yxy 72.7334, 0.3039, 0.3413 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(204, 227, 216) }
```

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

```
.border{ border-color:rgb(204, 227, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 227, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 227, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 227, 216);  
box-shadow:4px 4px 4px 4px rgb(204, 227,  
216) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.7334, 0.3039, 0.3413$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 227, 216) }
```

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

```
.background{ background-color: rgb(204,  
227, 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](#).

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