

Converting Colors

$Y_{xy}(72.2265, 0.3052, 0.3430)$

Have a look what the booklet for
Yxy(72.2265, 0.3052, 0.3430)
contains.

Yxy(72.0851, 0.3052, 0.3425)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.0851, 0.3052, 0.3425)

Conversions

Conversions Part 1

Format	Color
Hex	CCE2D6
RGB	204, 226, 214
RGB Percent	80%, 89%, 84%
CMY	0.2000, 0.1137, 0.1608
CMYK	0.10, 0.00, 0.05, 0.11
HSL	147°, 28%, 84%
HSV	147°, 10%, 89%
XYZ	64.2347, 72.0851, 74.1477
YIQ	218.0540, -9.2600, -8.3960

Conversions

Conversions Part 2

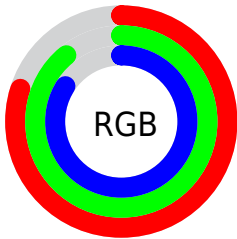
Format	Color
R_{YB}	204, 219, 226
Decimal	13427414
CIE Lab	88.01, -9.54, 3.37
CIE LCh	88, 10.114, 160.545
Yxy	72.0851, 0.3052, 0.3425
Android (android.graphics.Color)	4291617494 (0xFFCCE2D6)
YUV	218.0540, -1.9986, -12.3254
Hunter-Lab	84.9029, -13.5332, 7.6527

Details

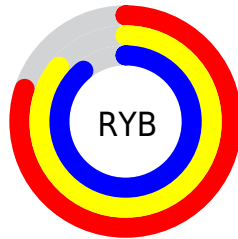
The Yxy color **72.0851, 0.3052, 0.3425** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.3111, 0.3210, 0.3159**, and the grayscale version is **70.1702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.1131, 0.3039, 0.3468** is the 20% darker color. If you saturate the color by 10%, you get **68.5168, 0.2977, 0.3580**, and if you desaturate by 10%, it is **76.1705, 0.3129, 0.3287**.

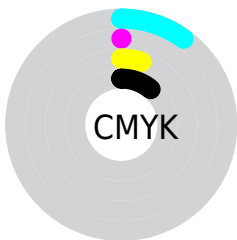
Distribution



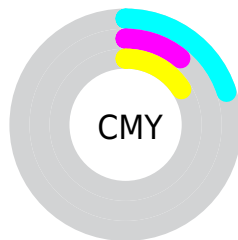
- Red (80%)
- Green (89%)
- Blue (84%)



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



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



- Cyan (20%)
- Magenta (11%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0851, 0.3052, 0.3425 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 72.0851, 0.3052, 0.3425 by changing the saturation by 10% instead.

■ 72.0851, 0.3052,
0.3425

■ 72.0851, 0.3052,
0.3425

467.8377, 0.3087,
0.3362

■ 53.2282, 0.3044,
0.3440

122.1775, 0.3064,
0.3403

■ 37.9850, 0.3034,
0.3458

154.1818, 0.3069,
0.3394

■ 25.9710, 0.3021,
0.3481

191.3374, 0.3073,
0.3387

■ 16.8020, 0.3004,
0.3512

234.0286, 0.3077,
0.3381

■ 10.0934, 0.2980,
0.3555

282.6398, 0.3080,
0.3375

■ 5.4609, 0.2945,
0.3617

337.5555, 0.3083,

■ 2.5202, 0.2889,

0.3370

399.1600, 0.3085,
0.3366

0.3720

0.8867, 0.2739,
0.3982

0.0000, 0.0000,
0.0000

72.0851, 0.3052,
0.3425

72.0851, 0.3052,
0.3425

68.5168, 0.2977,
0.3580

76.1705, 0.3129,
0.3287

65.4356, 0.2906,
0.3752

80.7836, 0.3206,
0.3164

62.8222, 0.2842,
0.3939

82.6199, 0.3166,
0.3047

60.6523, 0.2788,
0.4140

82.8762, 0.3140,
0.3009

■ 58.8995, 0.2748,
0.4350

■ 57.5344, 0.2726,
0.4566

■ 56.5237, 0.2722,
0.4780

■ 55.8278, 0.2739,
0.4984

■ 55.3810, 0.2771,
0.5175

Harmonies

Analogous

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



72.0851, 0.3175, 0.3492



72.0851, 0.3052, 0.3425



72.0851, 0.2951, 0.3321

Triad

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



72.0851, 0.3052, 0.3425



72.0851, 0.2968, 0.3084



72.0851, 0.3364, 0.3363

Complementary

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



72.0851, 0.3052, 0.3425



64.3111, 0.3210, 0.3159

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.



72.0851, 0.3306, 0.3257



72.0851, 0.3052, 0.3425



72.0851, 0.3076, 0.3098

Square

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



72.0851, 0.3052, 0.3425



72.0851, 0.2903, 0.3124



72.0851, 0.3200, 0.3161



72.0851, 0.3356, 0.3453

Rectangle

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



72.0851, 0.3052, 0.3425



72.0851, 0.2908, 0.3245



72.0851, 0.3200, 0.3161



72.0851, 0.3351, 0.3328

Sweetspot

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



72.0882, 0.3052, 0.3425



98.3121, 0.3104, 0.3330



73.3700, 0.3201, 0.3534



20.9486, 0.3098, 0.3341



0.0000, 0.0000, 0.0000



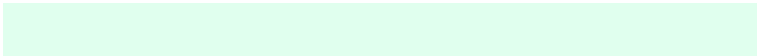
21.4041, 0.3127, 0.3290

Same Dimension

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



72.0882, 0.3052, 0.3425



93.6227, 0.3034, 0.3460



72.6641, 0.2984, 0.3302



15.4404, 0.3054, 0.3421



31.6103, 0.2764, 0.5151



2.2089, 0.2681, 0.4853

Inverse Universe

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



64.3111, 0.3210, 0.3159



81.1426, 0.3232, 0.3126



63.7657, 0.3290, 0.3278



13.8250, 0.3207, 0.3163



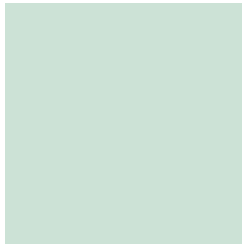
10.0679, 0.4761, 0.2396



0.7159, 0.4456, 0.2229

Previews

White Background



This preview shows how the Yxy color 72.0851, 0.3052, 0.3425 looks on a white background.

Color Contrast Check

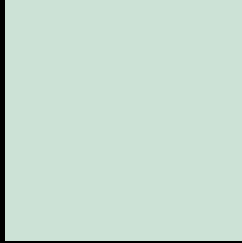
Large Text (above 18pt) WCAG AA × Fail

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 72.0851, 0.3052, 0.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

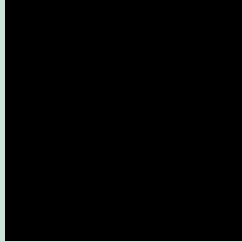
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

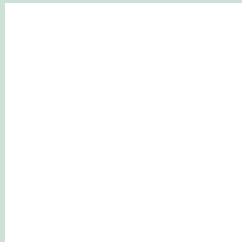
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.0851, 0.3052, 0.3425

Background



This preview shows how black text looks on a background with the Yxy color 72.0851, 0.3052, 0.3425.

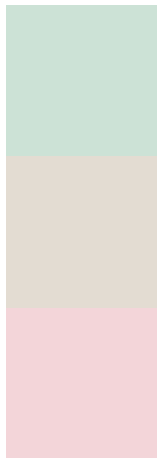


This preview shows how white text looks on a background with the Yxy color 72.0851, 0.3052, 0.3425.

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

72.0851, 0.3052, 0.3425

Protanopia

72.1704, 0.3245, 0.3399

Deuteranopia

71.6529, 0.3323, 0.3249



Tritanopia

71.9437, 0.2918, 0.3094

Trichromacy



Original Color

72.0851, 0.3052, 0.3425

Protanomaly

72.0058, 0.3178, 0.3411

Deuteranomaly

71.7587, 0.3220, 0.3312

Tritanomaly

71.8103, 0.2967, 0.3201

Monochromacy



Original Color

72.0851, 0.3052, 0.3425

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.8688, 0.3097, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0851, 0.3052, 0.3425 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, 226, 214)` looks like.

```
.text, #text, p{  
    color:rgb(204, 226, 214)  
}
```

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, 226, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 226, 214) }
```

Border

The CSS property to change the border of an element to Yxy 72.0851, 0.3052, 0.3425 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, 226, 214) }
```

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

```
.border{ border-color:rgb(204, 226, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 226, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 226, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 226, 214);  
box-shadow:4px 4px 4px 4px rgb(204, 226,  
214) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.0851, 0.3052, 0.3425$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 226, 214) }
```

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

```
.background{ background-color: rgb(204,  
226, 214) }
```

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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