

Converting Colors

$Yxy(77.5362, 0.2989, 0.3417)$

Have a look what the booklet for
Yxy(77.5362, 0.2989, 0.3417)
contains.

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Color

Yxy(77.4409, 0.2990, 0.3422)

Conversions

Conversions Part 1

Format	Color
Hex	<code>CBEBDF</code>
RGB	<code>203, 235, 223</code>
RGB Percent	<code>80%, 92%, 87%</code>
CMY	<code>0.2038, 0.0785, 0.1255</code>
CMYK	<code>0.14, 0.00, 0.05, 0.08</code>
HSL	<code>157°, 44%, 86%</code>
HSV	<code>157°, 14%, 92%</code>
XYZ	<code>67.6646, 77.4409, 81.1975</code>
YIQ	<code>224.0640, -15.2200, -10.5160</code>

Conversions

Conversions Part 2

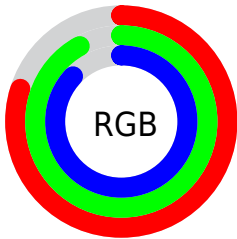
Format	Color
RYB	203, 223, 235
Decimal	13364191
CIELab	90.52, -12.70, 2.30
CIElCh	91, 12.907, 169.755
Yxy	77.4409, 0.2990, 0.3422
Android (android.graphics.Color)	4291554271 (0xFFCBEEDF)
YUV	224.0640, -0.5246, -18.4731
Hunter-Lab	88.0005, -16.7502, 6.8938

Details

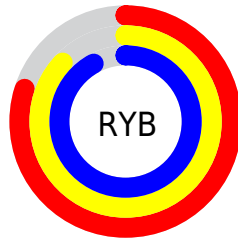
The Yxy color **77.4409, 0.2990, 0.3422** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.2999, 0.3287, 0.3162**, and the grayscale version is **74.6081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4569, 0.2960, 0.3449** is the 20% darker color. If you saturate the color by 10%, you get **73.9270, 0.2894, 0.3532**, and if you desaturate by 10%, it is **81.4862, 0.3090, 0.3323**.

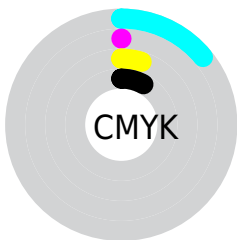
Distribution



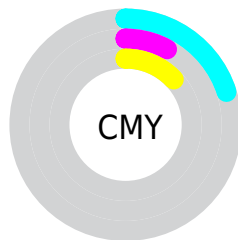
- Red (80%)
- Green (92%)
- Blue (87%)



- Red (80%)
- Yellow (87%)
- Blue (92%)



- Cyan (14%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



- Cyan (20%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4409, 0.2990, 0.3422 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 77.4409, 0.2990, 0.3422 by changing the saturation by 10% instead.

■ 77.4409, 0.2990,
0.3422

■ 77.4409, 0.2990,
0.3422

486.2660, 0.3053,
0.3361

■ 57.6148, 0.2976,
0.3436

129.7617, 0.3012,
0.3401

■ 41.4991, 0.2958,
0.3453

163.0251, 0.3020,
0.3393

■ 28.7092, 0.2936,
0.3475

201.5365, 0.3028,
0.3386

■ 18.8610, 0.2907,
0.3503

245.6802, 0.3034,
0.3379

■ 11.5699, 0.2867,
0.3542

295.8406, 0.3040,
0.3374

■ 6.4515, 0.2811,
0.3598


352.4021, 0.3045,


■ 3.1215, 0.2723,


0.3369


0.3687


415.7491, 0.3049,
0.3365


 1.1955, 0.2565,
0.3846


 0.0580, 0.0000,
1.0000


 77.4409, 0.2990,
0.3422

 77.4409, 0.2990,
0.3422


 73.9270, 0.2894,
0.3532


 81.4862, 0.3090,
0.3323


 70.9119, 0.2806,
0.3651

 86.0744, 0.3193,
0.3234

 68.3743, 0.2728,
0.3780

 87.5418, 0.3171,
0.3150

 66.2876, 0.2663,
0.3918

 87.8939, 0.3136,
0.3097

■ 64.6225, 0.2616,
0.4061

■ 63.3460, 0.2588,
0.4207

■ 62.4201, 0.2580,
0.4354

■ 61.7987, 0.2592,
0.4499

■ 61.5154, 0.2608,
0.4589

Harmonies

Analogous

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



77.4409, 0.3138, 0.3524



77.4409, 0.2990, 0.3422



77.4409, 0.2880, 0.3284

Triad

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



77.4409, 0.2990, 0.3422



77.4409, 0.2966, 0.3033



77.4409, 0.3429, 0.3418

Complementary

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



77.4409, 0.2990, 0.3422



65.2999, 0.3287, 0.3162

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.



77.4409, 0.3380, 0.3288



77.4409, 0.2990, 0.3422



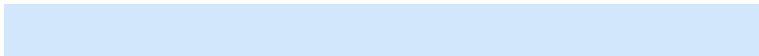
77.4409, 0.3110, 0.3070

Square

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



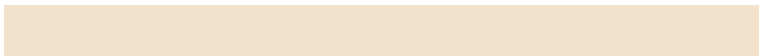
77.4409, 0.2990, 0.3422



77.4409, 0.2866, 0.3061



77.4409, 0.3263, 0.3163



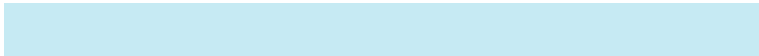
77.4409, 0.3394, 0.3517

Rectangle

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



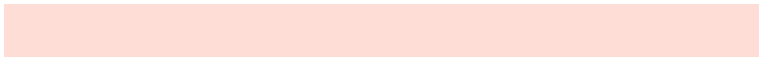
77.4409, 0.2990, 0.3422



77.4409, 0.2842, 0.3192



77.4409, 0.3263, 0.3163



77.4409, 0.3421, 0.3376

Sweetspot

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



77.4442, 0.2990, 0.3422



97.8725, 0.3086, 0.3327



78.2185, 0.3193, 0.3641



20.8657, 0.3078, 0.3334



0.0000, 0.0000, 0.0000



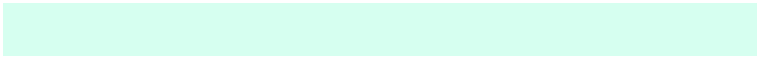
21.4041, 0.3127, 0.3290

Same Dimension

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



77.4442, 0.2990, 0.3422



92.1194, 0.2966, 0.3448



76.0015, 0.2919, 0.3249



17.0205, 0.3031, 0.3380



34.2633, 0.2602, 0.4567



2.7090, 0.2547, 0.4369

Inverse Universe

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



65.2999, 0.3287, 0.3162



75.1399, 0.3322, 0.3137



66.4885, 0.3372, 0.3331



15.1475, 0.3234, 0.3202



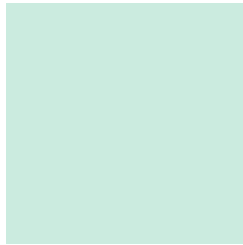
10.2462, 0.5475, 0.2790



0.8227, 0.5098, 0.2582

Previews

White Background



This preview shows how the Yxy color 77.4409, 0.2990, 0.3422 looks on a white background.

Color Contrast Check

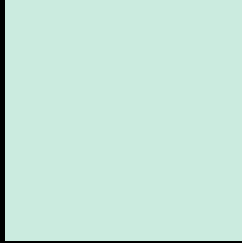
Large Text (above 18pt) WCAG AA × Fail

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 77.4409, 0.2990, 0.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

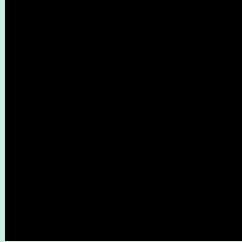
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

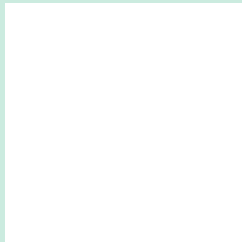
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.4409, 0.2990, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 77.4409, 0.2990, 0.3422.

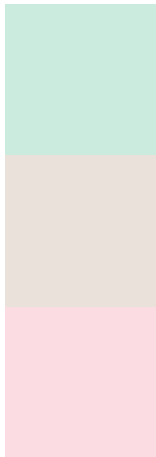


This preview shows how white text looks on a background with the Yxy color 77.4409, 0.2990, 0.3422.

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

77.4409, 0.2990, 0.3422

Protanopia

76.9471, 0.3236, 0.3375

Deuteranopia

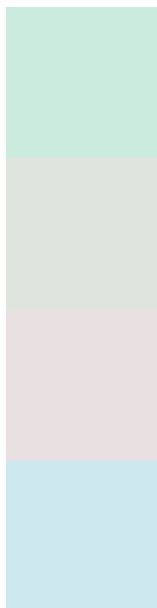
77.0014, 0.3303, 0.3230



Tritanopia

77.4013, 0.2869, 0.3098

Trichromacy



Original Color

77.4409, 0.2990, 0.3422

Protanomaly

76.8939, 0.3143, 0.3387

Deuteranomaly

76.6103, 0.3183, 0.3290

Tritanomaly

77.1263, 0.2909, 0.3203

Monochromacy



Original Color

77.4409, 0.2990, 0.3422

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.4676, 0.3070, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4409, 0.2990, 0.3422 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(203, 235, 223)` looks like.

```
.text, #text, p{  
    color:rgb(203, 235, 223)  
}
```

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(203, 235, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 235, 223) }
```

Border

The CSS property to change the border of an element to Yxy 77.4409, 0.2990, 0.3422 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(203, 235, 223) }
```

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

```
.border{ border-color:rgb(203, 235, 223) }
```

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

Here you see how a box with a 4 pixel rgb(203, 235, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 235, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 235, 223);  
box-shadow:4px 4px 4px 4px rgb(203, 235,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4409, 0.2990, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 235, 223) }
```

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

```
.background{ background-color: rgb(203,  
235, 223) }
```

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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