

Converting Colors

$Yxy(79.5644, 0.2991, 0.3432)$

Have a look what the booklet for
Yxy(79.5644, 0.2991, 0.3432)
contains.

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Color

Yxy(79.5644, 0.2991, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	CDEEE1
RGB	205, 238, 225
RGB Percent	80%, 93%, 88%
CMY	0.1961, 0.0666, 0.1177
CMYK	0.14, 0.00, 0.05, 0.07
HSL	156°, 49%, 87%
HSV	156°, 14%, 93%
XYZ	69.3407, 79.5644, 82.9259
YIQ	226.6510, -15.4950, -11.0390

Conversions

Conversions Part 2

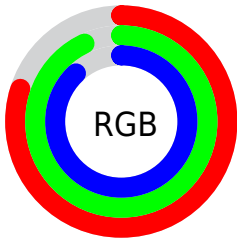
Format	Color
R _Y B	205, 226, 238
Decimal	13496033
CIE Lab	91.49, -13.20, 2.68
CIE LCh	91, 13.473, 168.521
Yxy	79.5644, 0.2991, 0.3432
Android (android.graphics.Color)	4291686113 (0xFFCDEEE1)
YUV	226.6510, -0.8139, -18.9879
Hunter-Lab	89.1989, -17.3373, 7.3188

Details

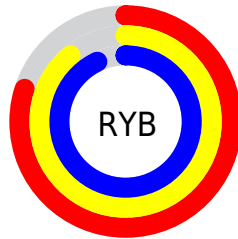
The Yxy color **79.5644, 0.2991, 0.3432** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.9058, 0.3286, 0.3152**, and the grayscale version is **76.5654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.8422, 0.2954, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **75.9379, 0.2898, 0.3548**, and if you desaturate by 10%, it is **83.7406, 0.3089, 0.3327**.

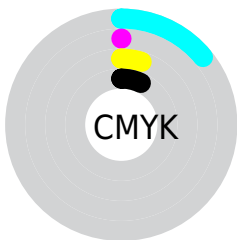
Distribution



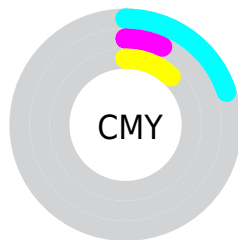
- Red (80%)
- Green (93%)
- Blue (88%)



- Red (80%)
- Yellow (89%)
- Blue (93%)



- Cyan (14%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)




- Cyan (20%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.5644, 0.2991, 0.3432 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 79.5644, 0.2991, 0.3432 by changing the saturation by 10% instead.

 79.5644, 0.2991,
0.3432

 79.5644, 0.2991,
0.3432


493.4636, 0.3053,
0.3367

 59.3600, 0.2977,
0.3447


132.7531, 0.3013,
0.3409

 42.9030, 0.2960,
0.3465

166.5062, 0.3021,
0.3401

 29.8090, 0.2938,
0.3488


205.5443, 0.3028,
0.3393

 19.6936, 0.2909,
0.3519

250.2518, 0.3035,
0.3386

 12.1726, 0.2871,
0.3560

301.0131, 0.3040,
0.3381

 6.8613, 0.2816,
0.3619

358.2125, 0.3045,

 3.3755, 0.2731,

0.3375

0.3711

422.2346, 0.3049,
0.3371

■ 1.3308, 0.2583,
0.3874

■ 0.1648, 0.0000,
1.0000

■ 79.5644, 0.2991,
0.3432

■ 79.5644, 0.2991,
0.3432

■ 75.9379, 0.2898,
0.3548

■ 83.7406, 0.3089,
0.3327

■ 72.8275, 0.2812,
0.3674

■ 88.4786, 0.3188,
0.3234

■ 70.2111, 0.2736,
0.3811

■ 89.5143, 0.3146,
0.3144

■ 68.0611, 0.2674,
0.3956

■ 89.6326, 0.3135,
0.3127

■ 66.3469, 0.2629,
0.4108

■ 65.0346, 0.2602,
0.4263

■ 64.0845, 0.2597,
0.4418

■ 63.4486, 0.2612,
0.4570

■ 63.1696, 0.2628,
0.4661

Harmonies

Analogous

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



79.5644, 0.3145, 0.3535



79.5644, 0.2991, 0.3432



79.5644, 0.2875, 0.3289

Triad

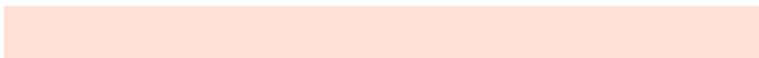
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.5644, 0.2991, 0.3432



79.5644, 0.2955, 0.3024



79.5644, 0.3439, 0.3417

Complementary

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



79.5644, 0.2991, 0.3432



66.9058, 0.3286, 0.3152

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.



79.5644, 0.3385, 0.3283



79.5644, 0.2991, 0.3432



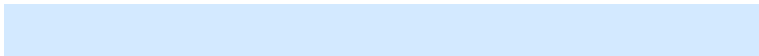
79.5644, 0.3103, 0.3060

Square

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



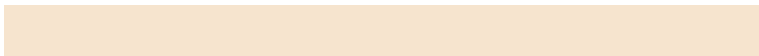
79.5644, 0.2991, 0.3432



79.5644, 0.2854, 0.3056



79.5644, 0.3261, 0.3154



79.5644, 0.3406, 0.3522

Rectangle

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



79.5644, 0.2991, 0.3432



79.5644, 0.2834, 0.3194



79.5644, 0.3261, 0.3154



79.5644, 0.3430, 0.3373

Sweetspot

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



79.5677, 0.2991, 0.3432



97.8600, 0.3087, 0.3329



80.4975, 0.3198, 0.3648



20.8625, 0.3080, 0.3336



0.0000, 0.0000, 0.0000



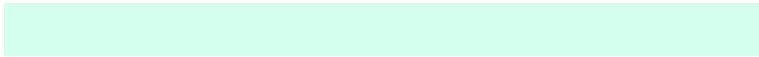
21.4041, 0.3127, 0.3290

Same Dimension

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



79.5677, 0.2991, 0.3432



91.6321, 0.2961, 0.3468



78.4014, 0.2915, 0.3254



17.8172, 0.3033, 0.3385



35.2664, 0.2622, 0.4637



2.9534, 0.2567, 0.4440

Inverse Universe

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



66.9058, 0.3286, 0.3152



73.8155, 0.3330, 0.3119



67.8463, 0.3378, 0.3326



15.8621, 0.3231, 0.3197



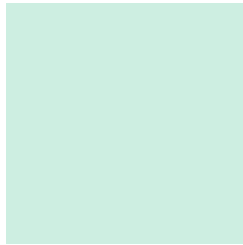
10.6146, 0.5400, 0.2748



0.9021, 0.5049, 0.2555

Previews

White Background



This preview shows how the Yxy color 79.5644, 0.2991, 0.3432 looks on a white background.

Color Contrast Check

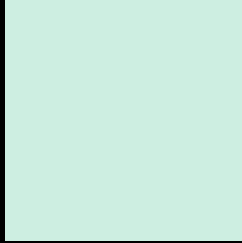
Large Text (above 18pt) WCAG AA × Fail

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 79.5644, 0.2991, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

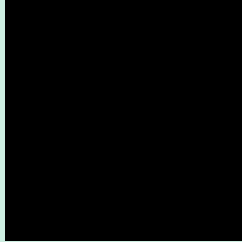
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

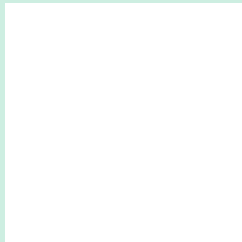
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.5644, 0.2991, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 79.5644, 0.2991, 0.3432.

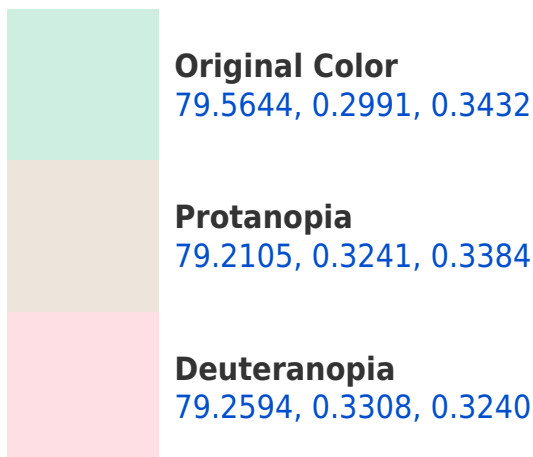


This preview shows how white text looks on a background with the Yxy color 79.5644, 0.2991, 0.3432.

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

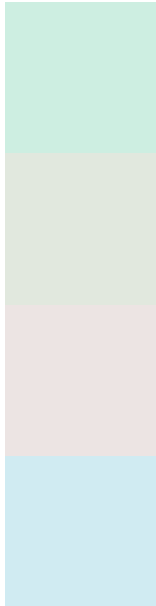




Tritanopia

79.5756, 0.2866, 0.3100

Trichromacy



Original Color

79.5644, 0.2991, 0.3432

Protanomaly

78.9947, 0.3143, 0.3396

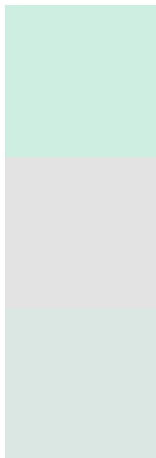
Deuteranomaly

78.8657, 0.3189, 0.3301

Tritanomaly

79.2374, 0.2911, 0.3214

Monochromacy



Original Color

79.5644, 0.2991, 0.3432

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.7029, 0.3077, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5644, 0.2991, 0.3432 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(205, 238, 225)` looks like.

```
.text, #text, p{  
    color:rgb(205, 238, 225)  
}
```

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(205, 238, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 238, 225) }
```

Border

The CSS property to change the border of an element to Yxy 79.5644, 0.2991, 0.3432 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(205, 238, 225) }
```

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

```
.border{ border-color:rgb(205, 238, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 238, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 238, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 238, 225);  
box-shadow:4px 4px 4px 4px rgb(205, 238,  
225) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 79.5644, 0.2991, 0.3432$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 238, 225) }
```

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

```
.background{ background-color: rgb(205,  
238, 225) }
```

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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