

Converting Colors

$Yxy(77.7857, 0.2951, 0.3491)$

Have a look what the booklet for
Yxy(77.7857, 0.2951, 0.3491)
contains.

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Color

Yxy(77.7857, 0.2951, 0.3491)

Conversions

Conversions Part 1

Format	Color
Hex	C2EEDC
RGB	194, 238, 220
RGB Percent	76%, 93%, 86%
CMY	0.2390, 0.0667, 0.1371
CMYK	0.18, 0.00, 0.08, 0.07
HSL	155°, 56%, 85%
HSV	155°, 18%, 93%
XYZ	65.7535, 77.7857, 79.2786
YIQ	222.7920, -20.4460, -14.9260

Conversions

Conversions Part 2

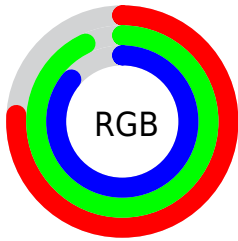
Format	Color
RYB	194, 222, 238
Decimal	12775132
CIELab	90.68, -17.62, 4.01
CIELCh	91, 18.075, 167.188
Yxy	77.7857, 0.2951, 0.3491
Android (android.graphics.Color)	4290965212 (0xFFC2EEDC)
YUV	222.7920, -1.3765, -25.2506
Hunter-Lab	88.1962, -21.2650, 8.4422

Details

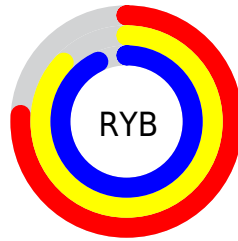
The Yxy color **77.7857, 0.2951, 0.3491** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.5365, 0.3345, 0.3098**, and the grayscale version is **73.6668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **41.7480, 0.2911, 0.3540** is the 20% darker color. If you saturate the color by 10%, you get **74.3863, 0.2862, 0.3616**, and if you desaturate by 10%, it is **81.7259, 0.3045, 0.3377**.

Distribution



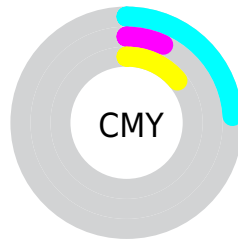
- Red (76%)
- Green (93%)
- Blue (86%)



- Red (76%)
- Yellow (87%)
- Blue (93%)



- Cyan (18%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)



- Cyan (24%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7857, 0.2951, 0.3491 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 77.7857, 0.2951, 0.3491 by changing the saturation by 10% instead.

■ 77.7857, 0.2951,
0.3491

■ 77.7857, 0.2951,
0.3491

487.4387, 0.3032,
0.3398

■ 57.8980, 0.2933,
0.3512

■ 130.2480, 0.2979,
0.3459

■ 41.7266, 0.2910,
0.3539

163.5913, 0.2990,
0.3446

■ 28.8873, 0.2881,
0.3572

202.1886, 0.3000,
0.3435

■ 18.9956, 0.2843,
0.3617

246.4243, 0.3008,
0.3426

■ 11.6671, 0.2792,
0.3677

296.6828, 0.3015,
0.3417

■ 6.5174, 0.2718,
0.3765

353.3484, 0.3021,

■ 3.1622, 0.2603,

0.3410

416.8056, 0.3027,
0.3404

0.3904

1.2170, 0.2377,
0.4169

0.0755, 0.0000,
1.0000

77.7857, 0.2951,
0.3491

77.7857, 0.2951,
0.3491

74.3863, 0.2862,
0.3616

81.7259, 0.3045,
0.3377

71.4935, 0.2782,
0.3753

86.2200, 0.3142,
0.3275

69.0841, 0.2714,
0.3899

89.2568, 0.3170,
0.3182

67.1293, 0.2660,
0.4054

89.6238, 0.3135,
0.3127

■ 65.5971, 0.2625,
0.4213

■ 64.4509, 0.2609,
0.4375

■ 63.6479, 0.2614,
0.4534

■ 63.1266, 0.2638,
0.4689

■ 63.0582, 0.2642,
0.4713

Harmonies

Analogous

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



77.7857, 0.3159, 0.3629



77.7857, 0.2951, 0.3491



77.7857, 0.2793, 0.3296

Triad

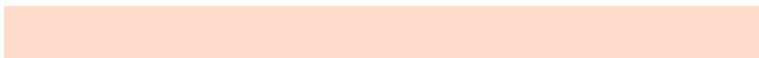
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7857, 0.2951, 0.3491



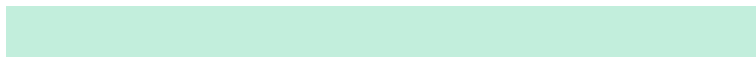
77.7857, 0.2886, 0.2933



77.7857, 0.3549, 0.3450

Complementary

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



77.7857, 0.2951, 0.3491



61.5365, 0.3345, 0.3098

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.



77.7857, 0.3471, 0.3270



77.7857, 0.2951, 0.3491



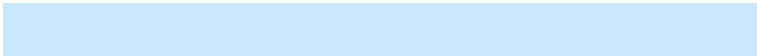
77.7857, 0.3083, 0.2979

Square

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



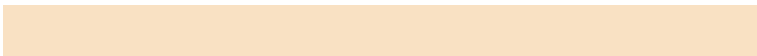
77.7857, 0.2951, 0.3491



77.7857, 0.2757, 0.2977



77.7857, 0.3299, 0.3100



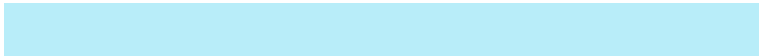
77.7857, 0.3509, 0.3597

Rectangle

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



77.7857, 0.2951, 0.3491



77.7857, 0.2735, 0.3166



77.7857, 0.3299, 0.3100



77.7857, 0.3536, 0.3391

Sweetspot

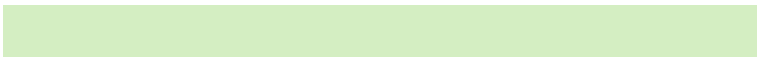
The Sweet Spot groups the original color and five complimentary colors.



77.7889, 0.2951, 0.3491



96.8165, 0.3069, 0.3351



79.0918, 0.3226, 0.3776



20.6516, 0.3062, 0.3358



0.0000, 0.0000, 0.0000



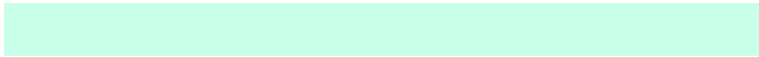
21.4041, 0.3127, 0.3290

Same Dimension

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



77.7889, 0.2951, 0.3491



89.4785, 0.2918, 0.3535



76.6821, 0.2847, 0.3249



17.8133, 0.3035, 0.3388



35.2095, 0.2636, 0.4688



2.9488, 0.2579, 0.4484

Inverse Universe

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



61.5365, 0.3345, 0.3098



67.3257, 0.3397, 0.3058



62.3304, 0.3480, 0.3331



15.8660, 0.3229, 0.3194



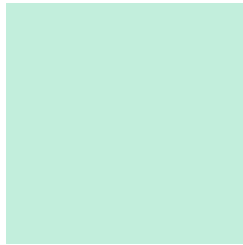
10.6497, 0.5341, 0.2716



0.9052, 0.4997, 0.2526

Previews

White Background



This preview shows how the Yxy color 77.7857, 0.2951, 0.3491 looks on a white background.

Color Contrast Check

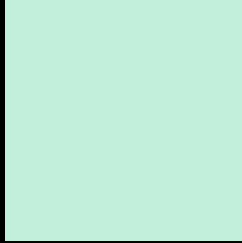
Large Text (above 18pt) WCAG AA × Fail

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 77.7857, 0.2951, 0.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

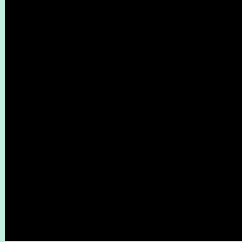
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

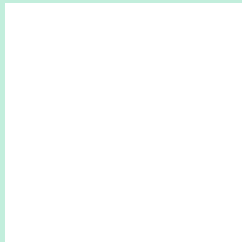
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7857, 0.2951, 0.3491

Background



This preview shows how black text looks on a background with the Yxy color 77.7857, 0.2951, 0.3491.

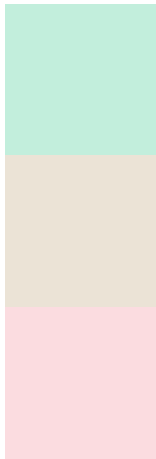


This preview shows how white text looks on a background with the Yxy color 77.7857, 0.2951, 0.3491.

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

77.7857, 0.2951, 0.3491

Protanopia

77.4554, 0.3269, 0.3427

Deuteranopia

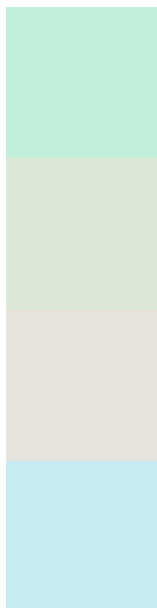
77.0774, 0.3324, 0.3250



Tritanopia

77.5855, 0.2805, 0.3085

Trichromacy



Original Color

77.7857, 0.2951, 0.3491

Protanomaly

77.3253, 0.3147, 0.3452

Deuteranomaly

77.0889, 0.3174, 0.3332

Tritanomaly

77.7137, 0.2861, 0.3235

Monochromacy



Original Color

77.7857, 0.2951, 0.3491

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.7578, 0.3056, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7857, 0.2951, 0.3491 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(194, 238, 220)` looks like.

```
.text, #text, p{  
    color:rgb(194, 238, 220)  
}
```

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(194, 238, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 238, 220) }
```

Border

The CSS property to change the border of an element to Yxy 77.7857, 0.2951, 0.3491 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(194, 238, 220) }
```

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

```
.border{ border-color:rgb(194, 238, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 238, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 238, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 238, 220);  
box-shadow:4px 4px 4px 4px rgb(194, 238,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7857, 0.2951, 0.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 238, 220) }
```

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

```
.background{ background-color: rgb(194,  
238, 220) }
```

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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