

Converting Colors

$Yxy(78.1495, 0.2790, 0.3614)$

Have a look what the booklet for
Yxy(78.1495, 0.2790, 0.3614)
contains.

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Color

Yxy(78.1011, 0.2792, 0.3617)

Conversions

Conversions Part 1

Format	Color
Hex	A3F5D9
RGB	163, 245, 217
RGB Percent	64%, 96%, 85%
CMY	0.3606, 0.0392, 0.1490
CMYK	0.33, 0.00, 0.11, 0.04
HSL	159°, 80%, 80%
HSV	159°, 33%, 96%
XYZ	60.2871, 78.1011, 77.5397
YIQ	217.2900, -39.8840, -26.0920

Conversions

Conversions Part 2

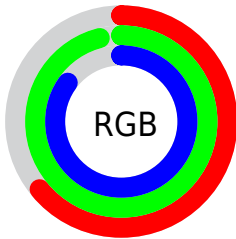
Format	Color
RYB	163, 212, 245
Decimal	10745305
CIELab	90.83, -30.86, 5.58
CIELCh	91, 31.357, 169.747
Yxy	78.1011, 0.2792, 0.3617
Android (android.graphics.Color)	4288935385 (0xFFA3F5D9)
YUV	217.2900, -0.1430, -47.6123
Hunter-Lab	88.3748, -32.8878, 9.8416

Details

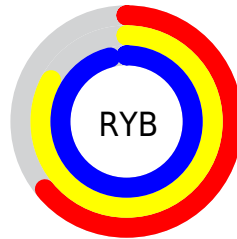
The Yxy color **78.1011, 0.2792, 0.3617** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.3863, 0.3641, 0.2989**, and the grayscale version is **69.6267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **41.7632, 0.2714, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **75.3382, 0.2710, 0.3734**, and if you desaturate by 10%, it is **81.3934, 0.2885, 0.3508**.

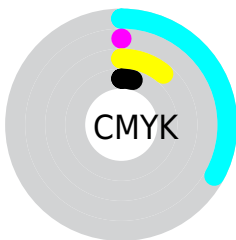
Distribution



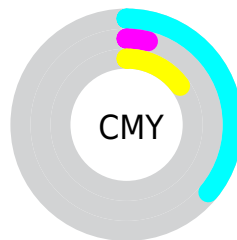
- Red (64%)
- Green (96%)
- Blue (85%)



- Red (64%)
- Yellow (83%)
- Blue (96%)



- Cyan (33%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)





- Cyan (36%)
- Magenta (4%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1011, 0.2792, 0.3617 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 78.1011, 0.2792, 0.3617 by changing the saturation by 10% instead.

 78.1011, 0.2792,
0.3617


 78.1011, 0.2792,
0.3617


488.5101, 0.2946,
0.3464

 58.1570, 0.2757,
0.3652


 130.6926, 0.2845,
0.3564

 41.9349, 0.2714,
0.3696


 164.1089, 0.2866,
0.3543

 29.0503, 0.2659,
0.3751


202.7847, 0.2884,
0.3525

 19.1189, 0.2588,
0.3825

247.1043, 0.2900,
0.3510

 11.7562, 0.2491,
0.3925

297.4523, 0.2914,
0.3497

 6.5779, 0.2353,
0.4072

354.2130, 0.2926,

 3.1996, 0.2139,

0.3485

417.7708, 0.2937,
0.3474

0.4305

1.2368, 0.1521,
0.4874

0.0914, 0.0000,
1.0000

78.1011, 0.2792,
0.3617

78.1011, 0.2792,
0.3617

75.3382, 0.2710,
0.3734

81.3934, 0.2885,
0.3508

73.0659, 0.2643,
0.3858

85.2326, 0.2985,
0.3409

71.2550, 0.2592,
0.3988

89.6470, 0.3090,
0.3319

69.8691, 0.2561,
0.4120

93.4957, 0.3159,
0.3237

■ 68.8662, 0.2551,
0.4253

■ 93.7833, 0.3132,
0.3194

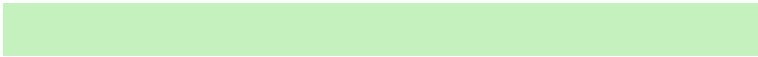
■ 68.1955, 0.2560,
0.4385

■ 67.8867, 0.2575,
0.4469

Harmonies

Analogous

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



78.1011, 0.3142, 0.3880



78.1011, 0.2792, 0.3617



78.1011, 0.2541, 0.3261

Triad

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



78.1011, 0.2792, 0.3617



78.1011, 0.2737, 0.2689



78.1011, 0.3864, 0.3573

Complementary

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



78.1011, 0.2792, 0.3617



49.3863, 0.3641, 0.2989

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.



78.1011, 0.3746, 0.3271



78.1011, 0.2792, 0.3617



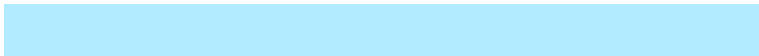
78.1011, 0.3077, 0.2781

Square

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



78.1011, 0.2792, 0.3617



78.1011, 0.2511, 0.2740



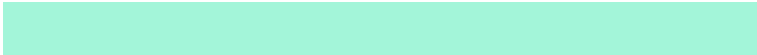
78.1011, 0.3451, 0.2989



78.1011, 0.3770, 0.3826

Rectangle

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



78.1011, 0.2792, 0.3617



78.1011, 0.2456, 0.3036



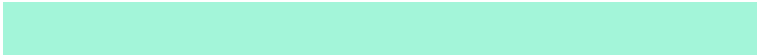
78.1011, 0.3451, 0.2989



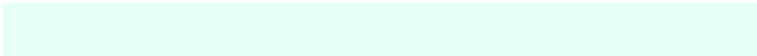
78.1011, 0.3849, 0.3474

Sweetspot

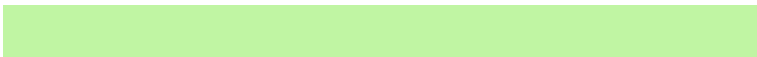
The Sweet Spot groups the original color and five complimentary colors.



78.1043, 0.2792, 0.3617



94.9319, 0.3021, 0.3377



79.1204, 0.3262, 0.4236



20.1780, 0.3006, 0.3390



0.0000, 0.0000, 0.0000



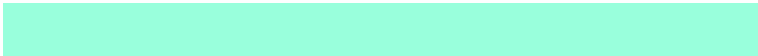
21.4041, 0.3127, 0.3290

Same Dimension

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



78.1043, 0.2792, 0.3617



83.4675, 0.2736, 0.3694



72.4946, 0.2633, 0.3147



18.6560, 0.3026, 0.3372



36.5998, 0.2569, 0.4448



3.2360, 0.2524, 0.4285

Inverse Universe

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



49.3863, 0.3641, 0.2989



47.6669, 0.3789, 0.2928



52.8499, 0.3868, 0.3426



16.5760, 0.3240, 0.3209



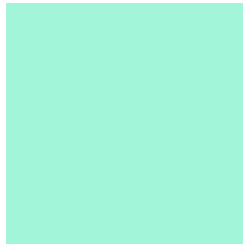
10.8236, 0.5610, 0.2864



0.9698, 0.5261, 0.2672

Previews

White Background



This preview shows how the Yxy color 78.1011, 0.2792, 0.3617 looks on a white background.

Color Contrast Check

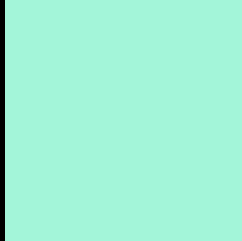
Large Text (above 18pt) WCAG AA × Fail

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 78.1011, 0.2792, 0.3617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

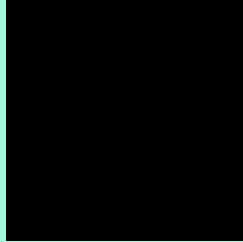
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.1011, 0.2792, 0.3617

Background



This preview shows how black text looks on a background with the Yxy color 78.1011, 0.2792, 0.3617.

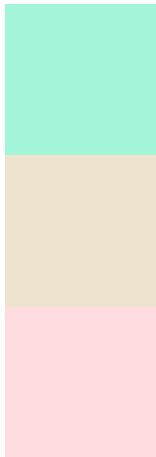


This preview shows how white text looks on a background with the Yxy color 78.1011, 0.2792, 0.3617.

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

78.1011, 0.2792, 0.3617

Protanopia

77.4477, 0.3330, 0.3501

Deuteranopia

77.1558, 0.3345, 0.3270



Tritanopia

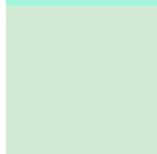
78.0724, 0.2680, 0.3103

Trichromacy



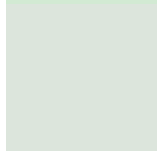
Original Color

78.1011, 0.2792, 0.3617



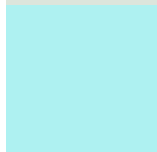
Protanomaly

77.2504, 0.3109, 0.3544



Deuteranomaly

76.4216, 0.3123, 0.3387



Tritanomaly

78.2601, 0.2723, 0.3289

Monochromacy



Original Color

78.1011, 0.2792, 0.3617



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.8182, 0.2986, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1011, 0.2792, 0.3617 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(163, 245, 217)` looks like.

```
.text, #text, p{  
    color:rgb(163, 245, 217)  
}
```

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(163, 245, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 245, 217) }
```

Border

The CSS property to change the border of an element to Yxy 78.1011, 0.2792, 0.3617 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(163, 245, 217) }
```

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

```
.border{ border-color:rgb(163, 245, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 245, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 245, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 245, 217);  
box-shadow:4px 4px 4px 4px rgb(163, 245,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1011, 0.2792, 0.3617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 245, 217) }
```

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

```
.background{ background-color: rgb(163,  
245, 217) }
```

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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