

Converting Colors

$Yxy(70.7799, 0.2738, 0.3502)$

Have a look what the booklet for
Yxy(70.7799, 0.2738, 0.3502)
contains.

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Color

Yxy(70.7721, 0.2742, 0.3507)

Conversions

Conversions Part 1

Format	Color
Hex	9BEAD8
RGB	155, 234, 216
RGB Percent	61%, 92%, 85%
CMY	0.3921, 0.0823, 0.1530
CMYK	0.34, 0.00, 0.08, 0.08
HSL	166°, 65%, 76%
HSV	166°, 34%, 92%
XYZ	55.3342, 70.7721, 75.6961
YIQ	208.3270, -41.3060, -22.3460

Conversions

Conversions Part 2

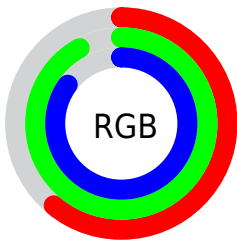
Format	Color
R _{YB}	155, 200, 234
Decimal	10218200
CIE Lab	87.37, -28.08, 1.06
CIE LCh	87, 28.099, 177.845
Yxy	70.7721, 0.2742, 0.3507
Android (android.graphics.Color)	4288408280 (0xFF9BEAD8)
YUV	208.3270, 3.7828, -46.7678
Hunter-Lab	84.1262, -29.8119, 5.5396

Details

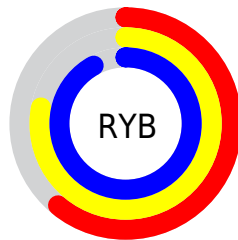
The Yxy color **70.7721, 0.2742, 0.3507** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.9582, 0.3736, 0.3087**, and the grayscale version is **63.2970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **37.1233, 0.2651, 0.3564** is the 20% darker color. If you saturate the color by 10%, you get **68.4078, 0.2650, 0.3583**, and if you desaturate by 10%, it is **73.5997, 0.2847, 0.3436**.

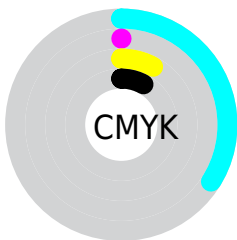
Distribution



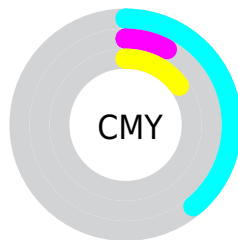
- Red (61%)
- Green (92%)
- Blue (85%)



- Red (61%)
- Yellow (78%)
- Blue (92%)



- Cyan (34%)
- Magenta (0%)
- Yellow (8%)
- Black (8%)




- Cyan (39%)
- Magenta (8%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7721, 0.2742, 0.3507 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 70.7721, 0.2742, 0.3507 by changing the saturation by 10% instead.

 70.7721, 0.2742,
0.3507


 70.7721, 0.2742,
0.3507

463.2564, 0.2921,
0.3406

 52.1562, 0.2701,
0.3530

 120.3092, 0.2804,
0.3472

 37.1296, 0.2650,
0.3559


 151.9992, 0.2828,
0.3458

 25.3079, 0.2586,
0.3596


188.8160, 0.2849,
0.3446

 16.3066, 0.2502,
0.3644

231.1440, 0.2867,
0.3436

 9.7414, 0.2387,
0.3711

279.3677, 0.2883,
0.3427

 5.2278, 0.2221,
0.3807

333.8714, 0.2897,

 2.3815, 0.1962,

0.3419

395.0395, 0.2910,
0.3412

0.3960

0.8164, 0.0525,
0.4741

0.0000, 0.0000,
0.0000

70.7721, 0.2742,
0.3507

70.7721, 0.2742,
0.3507

68.4078, 0.2650,
0.3583

73.5997, 0.2847,
0.3436

66.4722, 0.2573,
0.3663

76.9060, 0.2961,
0.3371


64.9392, 0.2513,
0.3746


80.7163, 0.3081,
0.3311

63.7767, 0.2473,
0.3830


85.0513, 0.3205,
0.3257

 62.9472, 0.2453,
0.3915

 86.5599, 0.3214,
0.3206

 62.4051, 0.2452,
0.4000

 86.8867, 0.3180,
0.3154

 62.1687, 0.2459,
0.4052

 87.2229, 0.3147,
0.3103

 87.3284, 0.3137,
0.3088

Harmonies

Analogous

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



70.7721, 0.3050, 0.3783



70.7721, 0.2742, 0.3507



70.7721, 0.2542, 0.3177

Triad

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



70.7721, 0.2742, 0.3507



70.7721, 0.2843, 0.2742



70.7721, 0.3805, 0.3626

Complementary

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



70.7721, 0.2742, 0.3507



43.9582, 0.3736, 0.3087

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.



70.7721, 0.3748, 0.3351



70.7721, 0.2742, 0.3507



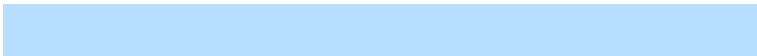
70.7721, 0.3176, 0.2859

Square

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



70.7721, 0.2742, 0.3507



70.7721, 0.2598, 0.2753



70.7721, 0.3513, 0.3077



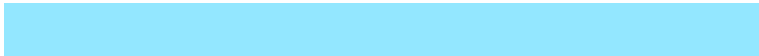
70.7721, 0.3670, 0.3834

Rectangle

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



70.7721, 0.2742, 0.3507



70.7721, 0.2491, 0.2983



70.7721, 0.3513, 0.3077



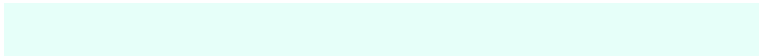
70.7721, 0.3808, 0.3538

Sweetspot

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



70.7750, 0.2742, 0.3507



95.1113, 0.3005, 0.3348



70.1501, 0.3200, 0.4262



20.2216, 0.2988, 0.3356



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.



70.7750, 0.2742, 0.3507



83.8246, 0.2672, 0.3563



60.4687, 0.2616, 0.3033



17.0597, 0.3012, 0.3344



34.9539, 0.2455, 0.4039



2.7591, 0.2423, 0.3922

Inverse Universe

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



43.9582, 0.3736, 0.3087



46.2845, 0.3936, 0.3042



50.9408, 0.3840, 0.3531



15.1103, 0.3257, 0.3236



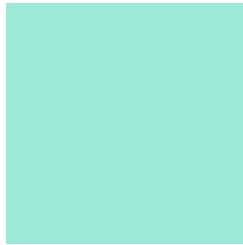
9.9921, 0.5993, 0.3075



0.7990, 0.5608, 0.2863

Previews

White Background



This preview shows how the Yxy color 70.7721, 0.2742, 0.3507 looks on a white background.

Color Contrast Check

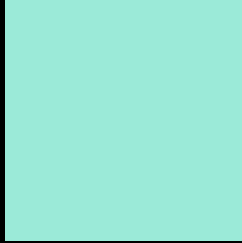
Large Text (above 18pt) WCAG AA × Fail

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 70.7721, 0.2742, 0.3507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

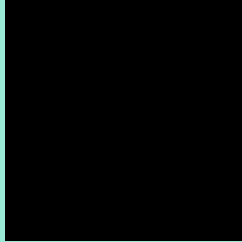
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

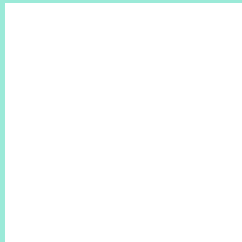
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7721, 0.2742, 0.3507

Background



This preview shows how black text looks on a background with the Yxy color 70.7721, 0.2742, 0.3507.

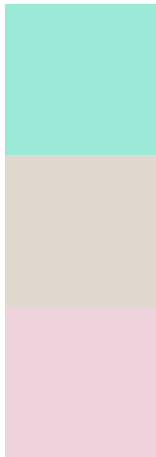


This preview shows how white text looks on a background with the Yxy color 70.7721, 0.2742, 0.3507.

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

70.7721, 0.2742, 0.3507

Protanopia

70.1383, 0.3254, 0.3400

Deuteranopia

69.9861, 0.3259, 0.3185



Tritanopia

70.4973, 0.2607, 0.3070

Trichromacy



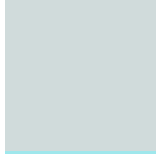
Original Color

70.7721, 0.2742, 0.3507



Protanomaly

69.7079, 0.3051, 0.3439



Deuteranomaly

69.1874, 0.3049, 0.3290



Tritanomaly

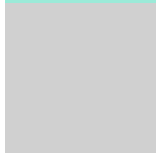
70.5789, 0.2655, 0.3230

Monochromacy



Original Color

70.7721, 0.2742, 0.3507



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

65.1477, 0.2969, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7721, 0.2742, 0.3507 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(155, 234, 216)` looks like.

```
.text, #text, p{  
    color:rgb(155, 234, 216)  
}
```

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(155, 234, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 234, 216) }
```

Border

The CSS property to change the border of an element to Yxy 70.7721, 0.2742, 0.3507 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(155, 234, 216) }
```

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

```
.border{ border-color:rgb(155, 234, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 234, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 234, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 234, 216);  
box-shadow:4px 4px 4px 4px rgb(155, 234,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7721, 0.2742, 0.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 234, 216) }
```

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

```
.background{ background-color: rgb(155,  
234, 216) }
```

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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