

Converting Colors

$Y_{xy}(75.0816, 0.2717, 0.3642)$

Have a look what the booklet for
Yxy(75.0816, 0.2717, 0.3642)
contains.

Yxy(75.0672, 0.2717, 0.3639)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.0672, 0.2717, 0.3639)

Conversions

Conversions Part 1

Format	Color
Hex	92F3D6
RGB	146, 243, 214
RGB Percent	57%, 95%, 84%
CMY	0.4274, 0.0471, 0.1607
CMYK	0.40, 0.00, 0.12, 0.05
HSL	162°, 80%, 76%
HSV	162°, 40%, 95%
XYZ	56.0477, 75.0672, 75.1703
YIQ	210.6910, -48.5030, -29.5830

Conversions

Conversions Part 2

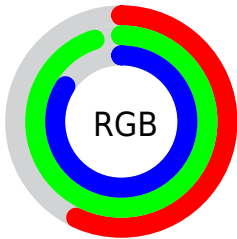
Format	Color
R_{YB}	146, 203, 243
Decimal	9630678
CIE _{Lab}	89.42, -35.13, 5.00
CIE _{LCh}	89, 35.485, 171.895
Yxy	75.0672, 0.2717, 0.3639
Android (android.graphics.Color)	4287820758 (0xFF92F3D6)
YUV	210.6910, 1.6313, -56.7340
Hunter-Lab	86.6413, -36.1519, 9.2087

Details

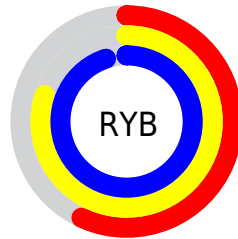
The Yxy color **75.0672, 0.2717, 0.3639** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **42.7151, 0.3829, 0.2975**, and the grayscale version is **64.9461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **39.7947, 0.2624, 0.3725** is the 20% darker color. If you saturate the color by 10%, you get **72.7117, 0.2640, 0.3744**, and if you desaturate by 10%, it is **77.9186, 0.2807, 0.3540**.

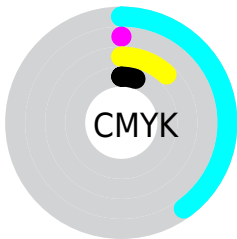
Distribution



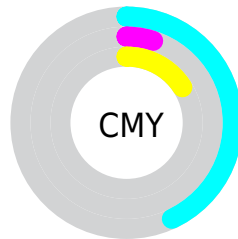
- Red (57%)
- Green (95%)
- Blue (84%)



- Red (57%)
- Yellow (80%)
- Blue (95%)



- Cyan (40%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)




- Cyan (43%)
- Magenta (5%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.0672, 0.2717, 0.3639 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 75.0672, 0.2717, 0.3639 by changing the saturation by 10% instead.


 75.0672, 0.2717,
0.3639


 75.0672, 0.2717,
0.3639


478.1485, 0.2907,
0.3475

 55.6679, 0.2674,
0.3677


 126.4075, 0.2783,
0.3582

 39.9368, 0.2620,
0.3724


 159.1173, 0.2808,
0.3560

 27.4892, 0.2552,
0.3784


197.0328, 0.2831,
0.3541

 17.9410, 0.2464,
0.3864

240.5383, 0.2850,
0.3524

 10.9076, 0.2344,
0.3974

290.0182, 0.2867,
0.3510

 6.0048, 0.2172,
0.4135

345.8569, 0.2882,

 2.8480, 0.1906,

0.3497

0.4393

408.4389, 0.2895,
0.3485

■ 1.0529, 0.0679,
0.5336

■ 0.0000, 0.0000,
0.0000

■ 75.0672, 0.2717,
0.3639

■ 75.0672, 0.2717,
0.3639

■ 72.7117, 0.2640,
0.3744

■ 77.9186, 0.2807,
0.3540

■ 70.8124, 0.2580,
0.3854

■ 81.2846, 0.2908,
0.3449

■ 69.3386, 0.2538,
0.3968

■ 85.1938, 0.3016,
0.3365

■ 68.2514, 0.2516,
0.4083

■ 89.6703, 0.3128,
0.3289

■ 67.5046, 0.2515,
0.4197

■ 92.2831, 0.3161,
0.3220

■ 67.0220, 0.2531,
0.4310

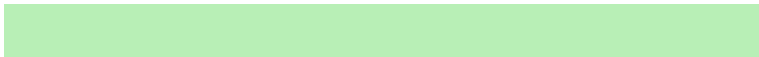
■ 92.5805, 0.3133,
0.3175

■ 67.0179, 0.2531,
0.4311

Harmonies

Analogous

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



75.0672, 0.3110, 0.3958



75.0672, 0.2717, 0.3639



75.0672, 0.2444, 0.3223

Triad

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



75.0672, 0.2717, 0.3639



75.0672, 0.2705, 0.2611



75.0672, 0.3973, 0.3630

Complementary

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



75.0672, 0.2717, 0.3639



42.7151, 0.3829, 0.2975

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.



75.0672, 0.3856, 0.3289



75.0672, 0.2717, 0.3639



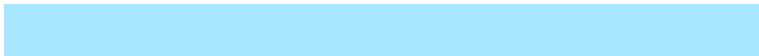
75.0672, 0.3099, 0.2726

Square

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



75.0672, 0.2717, 0.3639



75.0672, 0.2439, 0.2653



75.0672, 0.3527, 0.2968



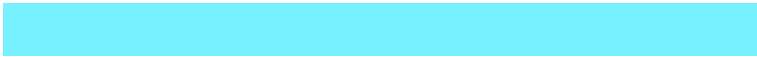
75.0672, 0.3846, 0.3916

Rectangle

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



75.0672, 0.2717, 0.3639



75.0672, 0.2359, 0.2970



75.0672, 0.3527, 0.2968



75.0672, 0.3962, 0.3518

Sweetspot

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



75.0702, 0.2717, 0.3639



94.0764, 0.2992, 0.3382



75.3042, 0.3249, 0.4453



20.0101, 0.2978, 0.3393



0.0000, 0.0000, 0.0000



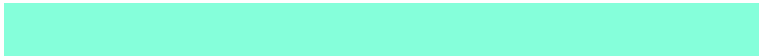
21.4041, 0.3127, 0.3290

Same Dimension

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



75.0702, 0.2717, 0.3639



81.5586, 0.2653, 0.3725



65.6831, 0.2540, 0.3057



18.6685, 0.3020, 0.3362



36.8072, 0.2526, 0.4293



3.2531, 0.2487, 0.4151

Inverse Universe

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



42.7151, 0.3829, 0.2975



40.7966, 0.4052, 0.2913



48.1926, 0.4051, 0.3506



16.5640, 0.3247, 0.3220



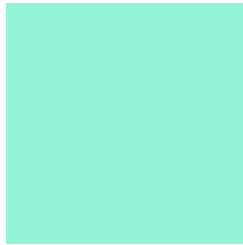
10.7397, 0.5768, 0.2951



0.9613, 0.5414, 0.2756

Previews

White Background



This preview shows how the Yxy color 75.0672, 0.2717, 0.3639 looks on a white background.

Color Contrast Check

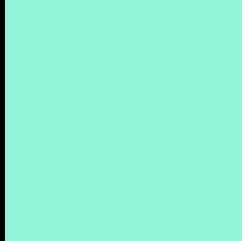
Large Text (above 18pt) WCAG AA × Fail

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 75.0672, 0.2717, 0.3639 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 75.0672, 0.2717, 0.3639

Background



This preview shows how black text looks on a background with the Yxy color 75.0672, 0.2717, 0.3639.

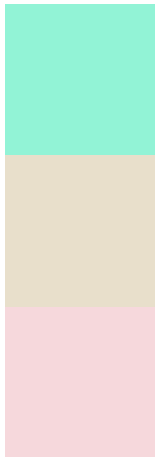


This preview shows how white text looks on a background with the Yxy color 75.0672, 0.2717, 0.3639.

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

75.0672, 0.2717, 0.3639

Protanopia

74.2430, 0.3326, 0.3505

Deuteranopia

73.8719, 0.3320, 0.3249



Tritanopia

75.1593, 0.2571, 0.3085

Trichromacy



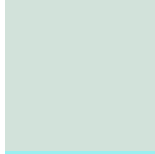
Original Color

75.0672, 0.2717, 0.3639



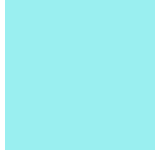
Protanomaly

73.5161, 0.3074, 0.3551



Deuteranomaly

73.1563, 0.3068, 0.3378



Tritanomaly

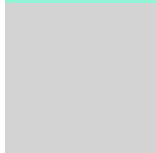
74.8943, 0.2622, 0.3277

Monochromacy



Original Color

75.0672, 0.2717, 0.3639



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.0936, 0.2950, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0672, 0.2717, 0.3639 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(146, 243, 214)` looks like.

```
.text, #text, p{  
    color:rgb(146, 243, 214)  
}
```

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(146, 243, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 243, 214) }
```

Border

The CSS property to change the border of an element to Yxy 75.0672, 0.2717, 0.3639 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(146, 243, 214) }
```

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

```
.border{ border-color:rgb(146, 243, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 243, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 243, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 243, 214);  
box-shadow:4px 4px 4px 4px rgb(146, 243,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0672, 0.2717, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 243, 214) }
```

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

```
.background{ background-color: rgb(146,  
243, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor