

Converting Colors

$Y_{xy}(75.2411, 0.2625, 0.3960)$

Have a look what the booklet for
Yxy(75.2411, 0.2625, 0.3960)
contains.

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Color

Yxy(75.2860, 0.2626, 0.3965)

Conversions

Conversions Part 1

Format	Color
Hex	67FAC5
RGB	103, 250, 197
RGB Percent	40%, 98%, 77%
CMY	0.5959, 0.0196, 0.2274
CMYK	0.59, 0.00, 0.21, 0.02
HSL	158°, 94%, 69%
HSV	158°, 59%, 98%
XYZ	49.8615, 75.2860, 64.7289
YIQ	200.0050, -70.5990, -47.6470

Conversions

Conversions Part 2

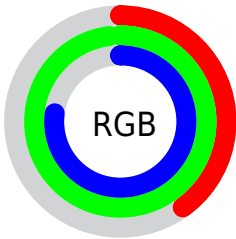
Format	Color
RYB	103, 193, 250
Decimal	6814405
CIELab	89.53, -51.60, 13.78
CIElCh	90, 53.409, 165.054
Yxy	75.2860, 0.2626, 0.3965
Android (android.graphics.Color)	4285004485 (0xFF67FAC5)
YUV	200.0050, -1.4815, -85.0734
Hunter-Lab	86.7675, -49.2669, 16.5067

Details

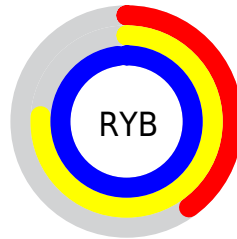
The Yxy color **75.2860, 0.2626, 0.3965** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.4367, 0.4268, 0.2753**, and the grayscale version is **57.8137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6751, 0.2633, 0.3299**, and **40.2718, 0.2505, 0.4149** is the 20% darker color. If you saturate the color by 10%, you get **73.6232, 0.2587, 0.4105**, and if you desaturate by 10%, it is **77.4214, 0.2683, 0.3830**.

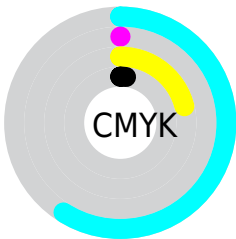
Distribution



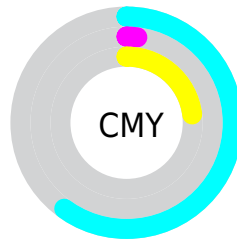
- Red (40%)
- Green (98%)
- Blue (77%)



- Red (40%)
- Yellow (76%)
- Blue (98%)



- Cyan (59%)
- Magenta (0%)
- Yellow (21%)
- Black (2%)




- Cyan (60%)
- Magenta (2%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2860, 0.2626, 0.3965 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 75.2860, 0.2626, 0.3965 by changing the saturation by 10% instead.


 75.2860, 0.2626,
0.3965


 75.2860, 0.2626,
0.3965


478.9000, 0.2862,
0.3640


 55.8472, 0.2571,
0.4042


 126.7171, 0.2709,
0.3850

 40.0804, 0.2503,
0.4139


 159.4783, 0.2741,
0.3806

 27.6013, 0.2415,
0.4265


 197.4490, 0.2768,
0.3768

 18.0253, 0.2300,
0.4433

241.0137, 0.2792,
0.3736

 10.9682, 0.2142,
0.4669

290.5567, 0.2813,
0.3707

 6.0454, 0.1911,
0.5023


346.4625, 0.2831,

 2.8727, 0.1551,


0.3682


0.5606


409.1155, 0.2848,
0.3660


 1.0657, 0.0000,
0.8519


 0.0000, 0.0000,
0.0000


 75.2860, 0.2626,
0.3965


 75.2860, 0.2626,
0.3965

 73.6232, 0.2587,
0.4105


 77.4214, 0.2683,
0.3830


 72.3828, 0.2569,
0.4246


 80.0565, 0.2756,
0.3701


 71.5192, 0.2571,
0.4387

 83.2267, 0.2841,
0.3581

 70.9617, 0.2592,
0.4524

 86.9618, 0.2935,
0.3471

 70.9034, 0.2595,
0.4541

 91.2893, 0.3036,
0.3370

 96.2346, 0.3140,
0.3279

 96.8509, 0.3129,
0.3242

Harmonies

Analogous

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



75.2860, 0.3221, 0.4396



75.2860, 0.2626, 0.3965



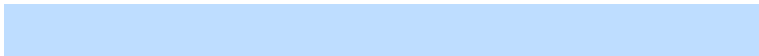
75.2860, 0.2194, 0.3312

Triad

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



75.2860, 0.2626, 0.3965



75.2860, 0.2395, 0.2303



75.2860, 0.4392, 0.3638

Complementary

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



75.2860, 0.2626, 0.3965



32.4367, 0.4268, 0.2753

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.



75.2860, 0.4138, 0.3154



75.2860, 0.2626, 0.3965



75.2860, 0.2928, 0.2425

Square

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



75.2860, 0.2626, 0.3965



75.2860, 0.2079, 0.2398



75.2860, 0.3578, 0.2727



75.2860, 0.4261, 0.4099

Rectangle

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



75.2860, 0.2626, 0.3965



75.2860, 0.2041, 0.2907



75.2860, 0.3578, 0.2727



75.2860, 0.4350, 0.3475

Sweetspot

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



75.2890, 0.2626, 0.3965



91.2892, 0.2943, 0.3463



76.5126, 0.3324, 0.5034



19.2797, 0.2914, 0.3494



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

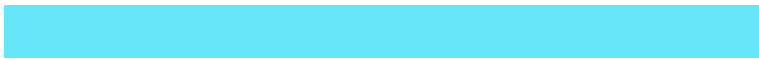
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2890, 0.2626, 0.3965



76.6788, 0.2581, 0.4137



66.6089, 0.2347, 0.3049



19.4961, 0.3029, 0.3377



37.6381, 0.2588, 0.4518



3.5062, 0.2543, 0.4354

Inverse Universe

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



32.4367, 0.4268, 0.2753



28.0221, 0.4661, 0.2701



35.3823, 0.4824, 0.3490



17.3287, 0.3237, 0.3205



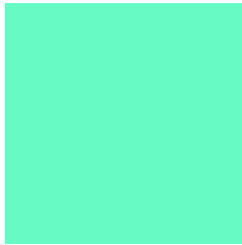
11.1985, 0.5540, 0.2825



1.0567, 0.5211, 0.2644

Previews

White Background



This preview shows how the Yxy color 75.2860, 0.2626, 0.3965 looks on a white background.

Color Contrast Check

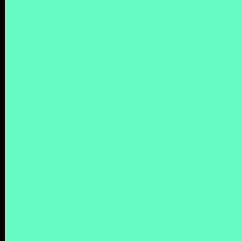
Large Text (above 18pt) WCAG AA × Fail

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 75.2860, 0.2626, 0.3965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

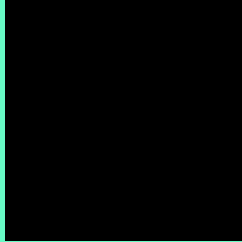
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.2860, 0.2626, 0.3965

Background



This preview shows how black text looks on a background with the Yxy color 75.2860, 0.2626, 0.3965.



This preview shows how white text looks on a background with the Yxy color 75.2860, 0.2626, 0.3965.

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

75.2860, 0.2626, 0.3965

Protanopia

74.0689, 0.3487, 0.3709

Deuteranopia

73.7041, 0.3475, 0.3394



Tritanopia

74.5721, 0.2517, 0.3094

Trichromacy



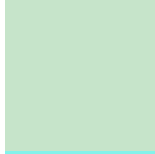
Original Color

75.2860, 0.2626, 0.3965



Protanomaly

72.6433, 0.3096, 0.3808



Deuteranomaly

71.7568, 0.3086, 0.3589



Tritanomaly

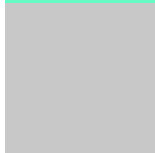
74.2701, 0.2550, 0.3384

Monochromacy



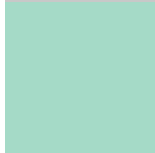
Original Color

75.2860, 0.2626, 0.3965



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.2657, 0.2883, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2860, 0.2626, 0.3965 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(103, 250, 197)` looks like.

```
.text, #text, p{  
    color:rgb(103, 250, 197)  
}
```

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(103, 250, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 250, 197) }
```

Border

The CSS property to change the border of an element to Yxy 75.2860, 0.2626, 0.3965 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(103, 250, 197) }
```

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

```
.border{ border-color:rgb(103, 250, 197) }
```

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

Here you see how a box with a 4 pixel rgb(103, 250, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 250, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 250, 197);  
box-shadow:4px 4px 4px 4px rgb(103, 250,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2860, 0.2626, 0.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 250, 197) }
```

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

```
.background{ background-color: rgb(103,  
250, 197) }
```

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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