

Converting Colors

$Y_{xy}(75.3144, 0.2509, 0.3639)$

Have a look what the booklet for
Yxy(75.3144, 0.2509, 0.3639)
contains.

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Color

Yxy(75.0114, 0.2509, 0.3638)

Conversions

Conversions Part 1

Format	Color
Hex	64F8DC
RGB	100, 248, 220
RGB Percent	39%, 97%, 86%
CMY	0.6081, 0.0274, 0.1373
CMYK	0.60, 0.00, 0.11, 0.03
HSL	169°, 91%, 68%
HSV	169°, 60%, 97%
XYZ	51.7327, 75.0114, 79.4445
YIQ	200.5560, -79.2200, -40.0840

Conversions

Conversions Part 2

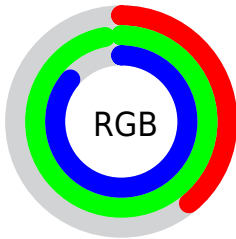
Format	Color
RYB	100, 182, 248
Decimal	6617308
CIELab	89.40, -46.07, 1.67
CIELCh	89, 46.096, 177.925
Yxy	75.0114, 0.2509, 0.3638
Android (android.graphics.Color)	4284807388 (0xFF64F8DC)
YUV	200.5560, 9.5859, -88.1876
Hunter-Lab	86.6091, -44.9457, 6.2411

Details

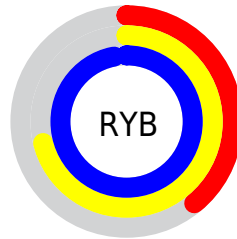
The Yxy color **75.0114, 0.2509, 0.3638** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **30.6185, 0.4641, 0.3013**, and the grayscale version is **58.0860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **39.9847, 0.2368, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **73.5646, 0.2458, 0.3707**, and if you desaturate by 10%, it is **76.9012, 0.2579, 0.3571**.

Distribution



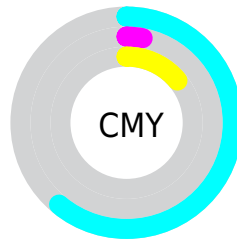
- Red (39%)
- Green (97%)
- Blue (86%)



- Red (39%)
- Yellow (71%)
- Blue (97%)



- Cyan (60%)
- Magenta (0%)
- Yellow (11%)
- Black (3%)





- Cyan (61%)
- Magenta (3%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.0114, 0.2509, 0.3638 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 75.0114, 0.2509, 0.3638 by changing the saturation by 10% instead.


 75.0114, 0.2509,
0.3638


 75.0114, 0.2509,
0.3638


477.9568, 0.2792,
0.3478


 55.6222, 0.2445,
0.3674


 126.3285, 0.2607,
0.3582

 39.9001, 0.2367,
0.3719


 159.0252, 0.2645,
0.3561

 27.4607, 0.2269,
0.3776


 196.9266, 0.2678,
0.3542

 17.9195, 0.2142,
0.3850

240.4170, 0.2706,
0.3526

 10.8922, 0.1973,
0.3949

289.8808, 0.2732,
0.3512

 5.9944, 0.1737,
0.4089


345.7024, 0.2754,

 2.8417, 0.1391,


0.3499


0.4301

408.2663, 0.2774,
0.3488


 1.0496, 0.0000,
0.5079


 0.0000, 0.0000,
0.0000


 75.0114, 0.2509,
0.3638


 75.0114, 0.2509,
0.3638


 73.5646, 0.2458,
0.3707


 76.9012, 0.2579,
0.3571


 72.5116, 0.2427,
0.3776


 79.2606, 0.2666,
0.3506

 71.8070, 0.2416,
0.3846


 82.1245, 0.2767,
0.3446


 71.3735, 0.2421,
0.3914

 85.5218, 0.2881,
0.3389

 71.3623, 0.2421,
0.3916

 89.4792, 0.3003,
0.3336

 94.0219, 0.3131,
0.3289

 95.4847, 0.3143,
0.3244

 95.6226, 0.3130,
0.3223

Harmonies

Analogous

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



75.0114, 0.2985, 0.4113



75.0114, 0.2509, 0.3638



75.0114, 0.2212, 0.3085

Triad

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



75.0114, 0.2509, 0.3638



75.0114, 0.2671, 0.2445



75.0114, 0.4215, 0.3789

Complementary

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



75.0114, 0.2509, 0.3638



30.6185, 0.4641, 0.3013

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.



75.0114, 0.4134, 0.3362



75.0114, 0.2509, 0.3638



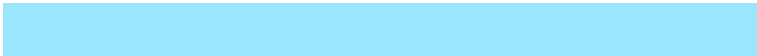
75.0114, 0.3197, 0.2626

Square

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



75.0114, 0.2509, 0.3638



75.0114, 0.2301, 0.2448



75.0114, 0.3747, 0.2951



75.0114, 0.3981, 0.4143

Rectangle

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



75.0114, 0.2509, 0.3638



75.0114, 0.2140, 0.2781



75.0114, 0.3747, 0.2951



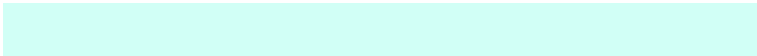
75.0114, 0.4225, 0.3649

Sweetspot

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



75.0143, 0.2509, 0.3638



91.7627, 0.2901, 0.3380



72.7719, 0.3181, 0.5143



19.3961, 0.2866, 0.3395



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.



75.0143, 0.2509, 0.3638



78.0547, 0.2449, 0.3723



52.4746, 0.2266, 0.2722



19.5489, 0.3006, 0.3335



38.5652, 0.2418, 0.3905



3.5858, 0.2395, 0.3823

Inverse Universe

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



30.6185, 0.4641, 0.3013



26.8615, 0.5158, 0.3004



40.9330, 0.4673, 0.3748



17.2789, 0.3264, 0.3245



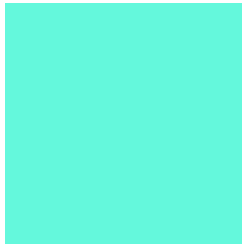
10.9062, 0.6105, 0.3137



1.0240, 0.5796, 0.2967

Previews

White Background



This preview shows how the Yxy color 75.0114, 0.2509, 0.3638 looks on a white background.

Color Contrast Check

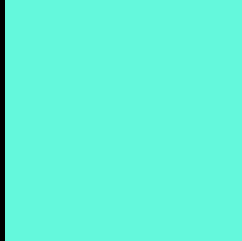
Large Text (above 18pt) WCAG AA × Fail

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 75.0114, 0.2509, 0.3638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

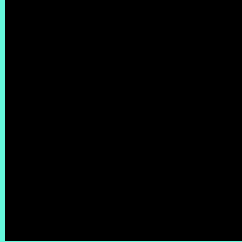
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.0114, 0.2509, 0.3638

Background



This preview shows how black text looks on a background with the Yxy color 75.0114, 0.2509, 0.3638.



This preview shows how white text looks on a background with the Yxy color 75.0114, 0.2509, 0.3638.

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

75.0114, 0.2509, 0.3638

Protanopia

73.6877, 0.3299, 0.3462

Deuteranopia

73.7125, 0.3249, 0.3177



Tritanopia

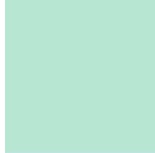
74.7926, 0.2501, 0.3105

Trichromacy



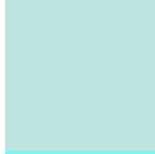
Original Color

75.0114, 0.2509, 0.3638



Protanomaly

71.9223, 0.2932, 0.3523



Deuteranomaly

71.9450, 0.2906, 0.3335



Tritanomaly

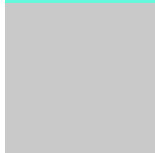
74.4271, 0.2498, 0.3288

Monochromacy



Original Color

75.0114, 0.2509, 0.3638



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

62.5894, 0.2823, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0114, 0.2509, 0.3638 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(100, 248, 220)` looks like.

```
.text, #text, p{  
    color:rgb(100, 248, 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(100, 248, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 248, 220) }
```

Border

The CSS property to change the border of an element to Yxy 75.0114, 0.2509, 0.3638 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(100, 248, 220) }
```

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

```
.border{ border-color:rgb(100, 248, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 248, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 248, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 248, 220); box-shadow:4px 4px 4px 4px rgb(100, 248, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0114, 0.2509, 0.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 248, 220) }
```

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

```
.background{ background-color: rgb(100,  
248, 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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