

Converting Colors

$Y_{xy}(75.1215, 0.2540, 0.3610)$

Have a look what the booklet for
Yxy(75.1215, 0.2540, 0.3610)
contains.

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Color

Yxy(75.1215, 0.2540, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	6FF7DD
RGB	111, 247, 221
RGB Percent	44%, 97%, 87%
CMY	0.5652, 0.0313, 0.1334
CMYK	0.55, 0.00, 0.11, 0.03
HSL	169°, 90%, 70%
HSV	169°, 55%, 97%
XYZ	52.8556, 75.1215, 80.1157
YIQ	203.3720, -72.7100, -36.9180

Conversions

Conversions Part 2

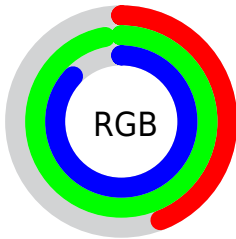
Format	Color
R _Y B	111, 186, 247
Decimal	7337949
CIE Lab	89.45, -43.36, 1.25
CIE LCh	89, 43.374, 178.345
Yxy	75.1215, 0.2540, 0.3610
Android (android.graphics.Color)	4285528029 (0xFF6FF7DD)
YUV	203.3720, 8.6906, -81.0102
Hunter-Lab	86.6727, -42.8225, 5.8663

Details

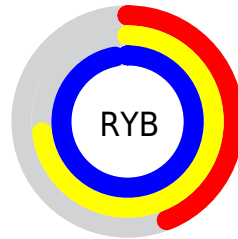
The Yxy color **75.1215, 0.2540, 0.3610** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.9248, 0.4458, 0.3023**, and the grayscale version is **59.9287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **39.9922, 0.2405, 0.3686** is the 20% darker color. If you saturate the color by 10%, you get **73.4913, 0.2480, 0.3679**, and if you desaturate by 10%, it is **77.2074, 0.2618, 0.3543**.

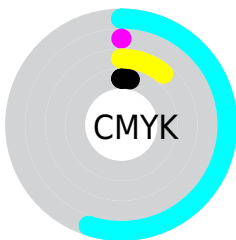
Distribution



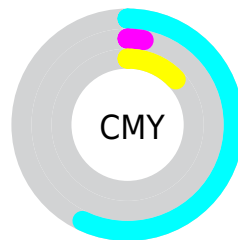
- Red (44%)
- Green (97%)
- Blue (87%)



- Red (44%)
- Yellow (73%)
- Blue (97%)



- Cyan (55%)
- Magenta (0%)
- Yellow (11%)
- Black (3%)





- Cyan (57%)
- Magenta (3%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.1215, 0.2540, 0.3610 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 75.1215, 0.2540, 0.3610 by changing the saturation by 10% instead.

 75.1215, 0.2540,
0.3610


 75.1215, 0.2540,
0.3610


478.3351, 0.2809,
0.3463


 55.7124, 0.2479,
0.3643


 126.4843, 0.2633,
0.3559

 39.9724, 0.2405,
0.3684


 159.2069, 0.2669,
0.3539

 27.5170, 0.2312,
0.3736


 197.1361, 0.2700,
0.3522

 17.9619, 0.2191,
0.3804

240.6563, 0.2727,
0.3507

 10.9226, 0.2030,
0.3894

290.1519, 0.2751,
0.3494

 6.0148, 0.1805,
0.4022


346.0073, 0.2773,

 2.8541, 0.1472,


0.3482


0.4215


408.6069, 0.2792,
0.3472

 1.0560, 0.0000,
0.5004


 0.0000, 0.0000,
0.0000

 75.1215, 0.2540,
0.3610


 75.1215, 0.2540,
0.3610


 73.4913, 0.2480,
0.3679


 77.2074, 0.2618,
0.3543


 72.2705, 0.2440,
0.3749


 79.7734, 0.2712,
0.3480


 71.4181, 0.2420,
0.3819

 82.8528, 0.2819,
0.3420


 70.8802, 0.2419,
0.3889

 86.4730, 0.2936,
0.3365

 70.6928, 0.2423,
0.3922

 90.6599, 0.3061,
0.3314

 94.6521, 0.3165,
0.3268

 94.9510, 0.3136,
0.3223

 95.0122, 0.3131,
0.3214

Harmonies

Analogous

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



75.1215, 0.2989, 0.4055



75.1215, 0.2540, 0.3610



75.1215, 0.2260, 0.3093

Triad

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



75.1215, 0.2540, 0.3610



75.1215, 0.2704, 0.2491



75.1215, 0.4150, 0.3771

Complementary

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



75.1215, 0.2540, 0.3610



32.9248, 0.4458, 0.3023

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.



75.1215, 0.4076, 0.3367



75.1215, 0.2540, 0.3610



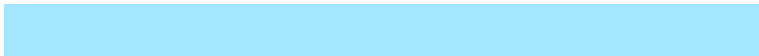
75.1215, 0.3202, 0.2665

Square

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



75.1215, 0.2540, 0.3610



75.1215, 0.2350, 0.2493



75.1215, 0.3717, 0.2976



75.1215, 0.3929, 0.4100

Rectangle

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



75.1215, 0.2540, 0.3610



75.1215, 0.2192, 0.2808



75.1215, 0.3717, 0.2976



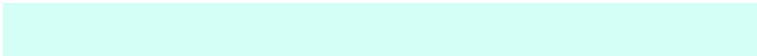
75.1215, 0.4161, 0.3640

Sweetspot

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



75.1244, 0.2540, 0.3610



92.1628, 0.2913, 0.3375



73.0902, 0.3186, 0.4993



19.5537, 0.2889, 0.3386



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.



75.1244, 0.2540, 0.3610



78.8503, 0.2476, 0.3686



54.3169, 0.2320, 0.2773



18.7003, 0.3006, 0.3336



37.4013, 0.2420, 0.3911



3.3009, 0.2395, 0.3824

Inverse Universe

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



32.9248, 0.4458, 0.3023



29.3567, 0.4900, 0.3000



43.2899, 0.4506, 0.3722



16.5343, 0.3263, 0.3245



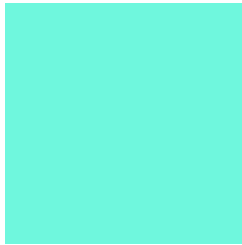
10.5827, 0.6099, 0.3133



0.9438, 0.5771, 0.2953

Previews

White Background



This preview shows how the Yxy color 75.1215, 0.2540, 0.3610 looks on a white background.

Color Contrast Check

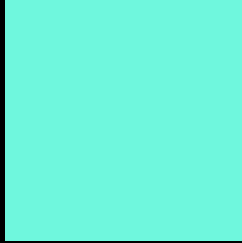
Large Text (above 18pt) WCAG AA × Fail

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 75.1215, 0.2540, 0.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

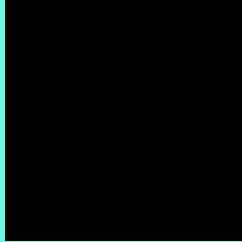
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.1215, 0.2540, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 75.1215, 0.2540, 0.3610.

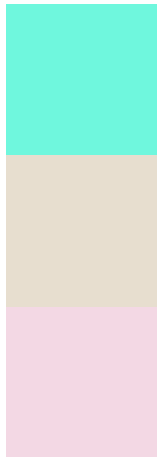


This preview shows how white text looks on a background with the Yxy color 75.1215, 0.2540, 0.3610.

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

75.1215, 0.2540, 0.3610

Protanopia

73.7365, 0.3293, 0.3452

Deuteranopia

73.7679, 0.3242, 0.3167



Tritanopia

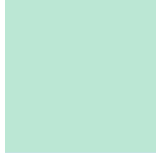
74.5721, 0.2517, 0.3094

Trichromacy



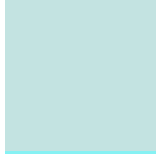
Original Color

75.1215, 0.2540, 0.3610



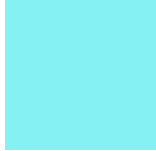
Protanomaly

72.4701, 0.2952, 0.3510



Deuteranomaly

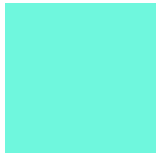
71.9765, 0.2925, 0.3312



Tritanomaly

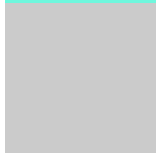
74.4500, 0.2520, 0.3265

Monochromacy



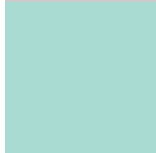
Original Color

75.1215, 0.2540, 0.3610



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

63.8622, 0.2850, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.1215, 0.2540, 0.3610 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(111, 247, 221)` looks like.

```
.text, #text, p{  
    color:rgb(111, 247, 221)  
}
```

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(111, 247, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 247, 221) }
```

Border

The CSS property to change the border of an element to Yxy 75.1215, 0.2540, 0.3610 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(111, 247, 221) }
```

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

```
.border{ border-color:rgb(111, 247, 221) }
```

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

Here you see how a box with a 4 pixel rgb(111, 247, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 247, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 247, 221);  
box-shadow:4px 4px 4px 4px rgb(111, 247,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 75.1215, 0.2540, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 247, 221) }
```

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

```
.background{ background-color: rgb(111,  
247, 221) }
```

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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