

Converting Colors

$Yxy(75.4311, 0.2588, 0.3624)$

Have a look what the booklet for
Yxy(75.4311, 0.2588, 0.3624)
contains.

Yxy(75.1636, 0.2590, 0.3620)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(75.1636, 0.2590, 0.3620)

Conversions

Conversions Part 1

Format	Color
Hex	7AF6DB
RGB	122, 246, 219
RGB Percent	48%, 96%, 86%
CMY	0.5212, 0.0353, 0.1412
CMYK	0.50, 0.00, 0.11, 0.04
HSL	167°, 87%, 72%
HSV	167°, 50%, 96%
XYZ	53.7773, 75.1636, 78.6934
YIQ	205.8460, -65.2370, -34.6850

Conversions

Conversions Part 2

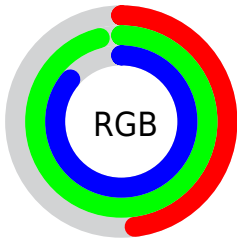
Format	Color
RYB	122, 192, 246
Decimal	8058587
CIELab	89.47, -41.06, 2.36
CIELCh	89, 41.132, 176.709
Yxy	75.1636, 0.2590, 0.3620
Android (android.graphics.Color)	4286248667 (0xFF7AF6DB)
YUV	205.8460, 6.4849, -73.5329
Hunter-Lab	86.6969, -40.9978, 6.8713

Details

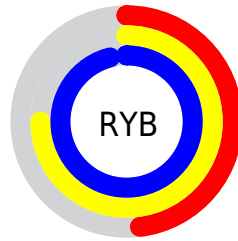
The Yxy color **75.1636, 0.2590, 0.3620** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **35.7053, 0.4242, 0.3005**, and the grayscale version is **61.6222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **39.9751, 0.2466, 0.3700** is the 20% darker color. If you saturate the color by 10%, you get **73.3131, 0.2524, 0.3698**, and if you desaturate by 10%, it is **77.4836, 0.2673, 0.3545**.

Distribution



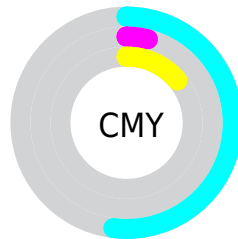
- Red (48%)
- Green (96%)
- Blue (86%)



- Red (48%)
- Yellow (75%)
- Blue (96%)



- Cyan (50%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)




- Cyan (52%)
- Magenta (4%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.1636, 0.2590, 0.3620 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 75.1636, 0.2590, 0.3620 by changing the saturation by 10% instead.


 75.1636, 0.2590,
0.3620

 75.1636, 0.2590,
0.3620


478.4797, 0.2837,
0.3467


 55.7469, 0.2534,
0.3655


 126.5439, 0.2675,
0.3567

 40.0001, 0.2466,
0.3698


 159.2764, 0.2708,
0.3546

 27.5386, 0.2379,
0.3753


 197.2162, 0.2737,
0.3529

 17.9781, 0.2268,
0.3824

240.7477, 0.2762,
0.3513

 10.9343, 0.2118,
0.3921

290.2555, 0.2784,
0.3499

 6.0227, 0.1906,
0.4060


346.1238, 0.2804,

 2.8589, 0.1590,


0.3487


0.4275


408.7371, 0.2821,
0.3477


 1.0585, 0.0000,
0.5202


 0.0000, 0.0000,
0.0000


 75.1636, 0.2590,
0.3620


 75.1636, 0.2590,
0.3620


 73.3131, 0.2524,
0.3698


 77.4836, 0.2673,
0.3545


 71.8882, 0.2476,
0.3779


 80.2956, 0.2771,
0.3474

 70.8517, 0.2449,
0.3860

 83.6312, 0.2881,
0.3408

 70.1556, 0.2441,
0.3940

 87.5168, 0.2999,
0.3347

 69.7317, 0.2449,
0.4017

 91.9771, 0.3123,
0.3292

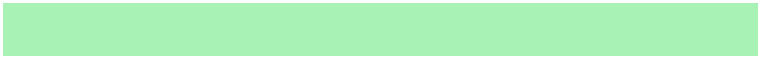
 94.1425, 0.3154,
0.3241

 94.3877, 0.3131,
0.3204

Harmonies

Analogous

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



75.1636, 0.3024, 0.4029



75.1636, 0.2590, 0.3620



75.1636, 0.2311, 0.3131

Triad

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



75.1636, 0.2590, 0.3620



75.1636, 0.2703, 0.2524



75.1636, 0.4102, 0.3732

Complementary

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



75.1636, 0.2590, 0.3620



35.7053, 0.4242, 0.3005

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.



75.1636, 0.4014, 0.3345



75.1636, 0.2590, 0.3620



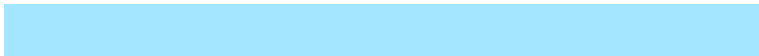
75.1636, 0.3171, 0.2681

Square

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



75.1636, 0.2590, 0.3620



75.1636, 0.2374, 0.2537



75.1636, 0.3663, 0.2973



75.1636, 0.3907, 0.4048

Rectangle

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



75.1636, 0.2590, 0.3620



75.1636, 0.2238, 0.2854



75.1636, 0.3663, 0.2973



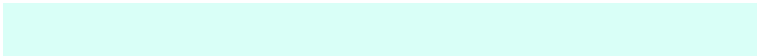
75.1636, 0.4106, 0.3606

Sweetspot

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



75.1666, 0.2590, 0.3620



92.9284, 0.2943, 0.3375



73.8945, 0.3213, 0.4822



19.7019, 0.2918, 0.3388



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.



75.1666, 0.2590, 0.3620



79.6012, 0.2525, 0.3696



58.3623, 0.2390, 0.2879



18.6924, 0.3010, 0.3342



37.2440, 0.2446, 0.4004



3.2883, 0.2418, 0.3903

Inverse Universe

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



35.7053, 0.4242, 0.3005



32.5212, 0.4599, 0.2968



44.4853, 0.4367, 0.3647



16.5416, 0.3259, 0.3239



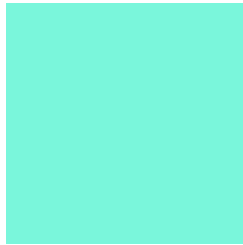
10.6149, 0.6027, 0.3094



0.9476, 0.5687, 0.2907

Previews

White Background



This preview shows how the Yxy color 75.1636, 0.2590, 0.3620 looks on a white background.

Color Contrast Check

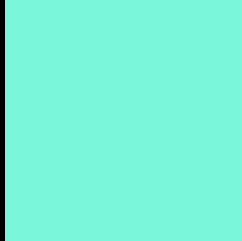
Large Text (above 18pt) WCAG AA × Fail

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 75.1636, 0.2590, 0.3620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

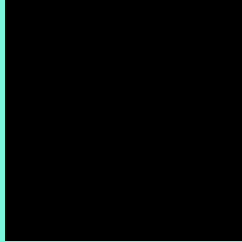
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.1636, 0.2590, 0.3620

Background



This preview shows how black text looks on a background with the Yxy color 75.1636, 0.2590, 0.3620.



This preview shows how white text looks on a background with the Yxy color 75.1636, 0.2590, 0.3620.

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

75.1636, 0.2590, 0.3620

Protanopia

74.2205, 0.3298, 0.3473

Deuteranopia

73.7811, 0.3270, 0.3198



Tritanopia

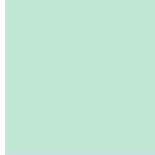
74.9484, 0.2535, 0.3095

Trichromacy



Original Color

75.1636, 0.2590, 0.3620



Protanomaly

72.9313, 0.2984, 0.3520



Deuteranomaly

72.5452, 0.2970, 0.3334



Tritanomaly

74.8968, 0.2550, 0.3277

Monochromacy



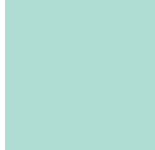
Original Color

75.1636, 0.2590, 0.3620



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

65.5300, 0.2877, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.1636, 0.2590, 0.3620 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(122, 246, 219)` looks like.

```
.text, #text, p{  
    color:rgb(122, 246, 219)  
}
```

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(122, 246, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 246, 219) }
```

Border

The CSS property to change the border of an element to Yxy 75.1636, 0.2590, 0.3620 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(122, 246, 219) }
```

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

```
.border{ border-color:rgb(122, 246, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 246, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 246, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 246, 219);  
box-shadow:4px 4px 4px 4px rgb(122, 246,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 75.1636, 0.2590, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 246, 219) }
```

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

```
.background{ background-color: rgb(122,  
246, 219) }
```

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