

Converting Colors

$Yxy(69.4243, 0.2393, 0.3606)$

Have a look what the booklet for
Yxy(69.4243, 0.2393, 0.3606)
contains.

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Color

Yxy(69.4658, 0.2392, 0.3601)

Conversions

Conversions Part 1

Format	Color
Hex	3AF2DA
RGB	58, 242, 218
RGB Percent	23%, 95%, 85%
CMY	0.7732, 0.0509, 0.1451
CMYK	0.76, 0.00, 0.10, 0.05
HSL	172°, 88%, 59%
HSV	172°, 76%, 95%
XYZ	46.1433, 69.4658, 77.2978
YIQ	184.2480, -101.9600, -46.4720

Conversions

Conversions Part 2

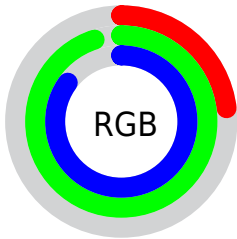
Format	Color
RYB	58, 156, 242
Decimal	3863258
CIELab	86.73, -49.85, -1.29
CIELCh	87, 49.866, 181.480
Yxy	69.4658, 0.2392, 0.3601
Android (android.graphics.Color)	4282053338 (0xFF3AF2DA)
YUV	184.2480, 16.6397, -110.7195
Hunter-Lab	83.3461, -47.0319, 3.3549

Details

The Yxy color **69.4658, 0.2392, 0.3601** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.4967, 0.5480, 0.3109**, and the grayscale version is **48.0011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **37.3423, 0.2351, 0.3665** is the 20% darker color. If you saturate the color by 10%, you get **68.7440, 0.2369, 0.3647**, and if you desaturate by 10%, it is **70.5363, 0.2435, 0.3555**.

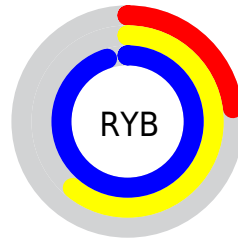
Distribution



Red (23%)

Green (95%)

Blue (85%)



Red (23%)

Yellow (61%)

Blue (95%)

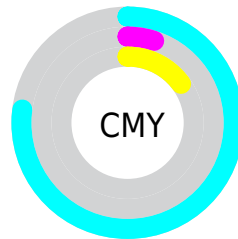


Cyan (76%)

Magenta (0%)

Yellow (10%)

Black (5%)



Cyan (77%)


Magenta (5%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.4658, 0.2392, 0.3601 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 69.4658, 0.2392, 0.3601 by changing the saturation by 10% instead.

 69.4658, 0.2392,
0.3601


 69.4658, 0.2392,
0.3601


458.6721, 0.2731,
0.3459


 51.0912, 0.2315,
0.3633


 118.4466, 0.2509,
0.3552


 36.2812, 0.2221,
0.3672


 149.8216, 0.2555,
0.3533

 24.6514, 0.2103,
0.3720


 186.2988, 0.2594,
0.3517

 15.8175, 0.1951,
0.3782

 228.2626, 0.2628,
0.3502

 9.3951, 0.1747,
0.3864

276.0975, 0.2659,
0.3489

 4.9998, 0.1466,
0.3975

330.1878, 0.2685,

 2.2471, 0.1006,

0.3478

0.4154

390.9178, 0.2709,
0.3468

0.7455, 0.0000,
0.4526

0.0000, 0.0000,
0.0000

69.4658, 0.2392,
0.3601

69.4658, 0.2392,
0.3601

68.7440, 0.2369,
0.3647

70.5363, 0.2435,
0.3555


68.3103, 0.2363,
0.3693


71.9896, 0.2497,
0.3509


68.1877, 0.2364,
0.3711


73.8648, 0.2578,
0.3465


76.1937, 0.2676,
0.3422

 79.0053, 0.2788,
0.3382

 82.3259, 0.2911,
0.3344

 86.1802, 0.3044,
0.3310

 90.5912, 0.3181,
0.3278

 91.4508, 0.3185,
0.3248

Harmonies

Analogous

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



69.4658, 0.2895, 0.4164



69.4658, 0.2392, 0.3601



69.4658, 0.2099, 0.2989

Triad

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



69.4658, 0.2392, 0.3601



69.4658, 0.2683, 0.2378



69.4658, 0.4317, 0.3881

Complementary

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



69.4658, 0.2392, 0.3601



22.4967, 0.5480, 0.3109

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.



69.4658, 0.4275, 0.3416



69.4658, 0.2392, 0.3601



69.4658, 0.3276, 0.2597

Square

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



69.4658, 0.2392, 0.3601



69.4658, 0.2256, 0.2353



69.4658, 0.3879, 0.2964



69.4658, 0.4016, 0.4262

Rectangle

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



69.4658, 0.2392, 0.3601



69.4658, 0.2042, 0.2672



69.4658, 0.3879, 0.2964



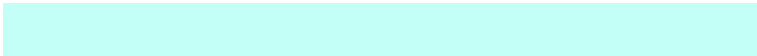
69.4658, 0.4345, 0.3730

Sweetspot

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



69.4685, 0.2392, 0.3601



90.0398, 0.2824, 0.3370



65.6278, 0.3095, 0.5638



18.9994, 0.2781, 0.3384



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.



69.4685, 0.2392, 0.3601



77.1232, 0.2364, 0.3671



37.7655, 0.2058, 0.2356



17.8914, 0.2998, 0.3321



36.6409, 0.2362, 0.3703



3.0580, 0.2345, 0.3643

Inverse Universe

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



22.4967, 0.5480, 0.3109



22.1299, 0.6048, 0.3172



33.9446, 0.5152, 0.3907



15.7924, 0.3273, 0.3259



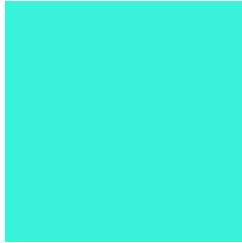
10.2067, 0.6232, 0.3207



0.8597, 0.5937, 0.3044

Previews

White Background



This preview shows how the Yxy color 69.4658, 0.2392, 0.3601 looks on a white background.

Color Contrast Check

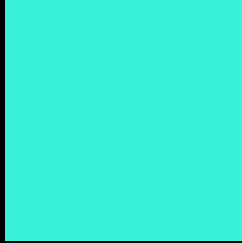
Large Text (above 18pt) WCAG AA × Fail

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 69.4658, 0.2392, 0.3601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

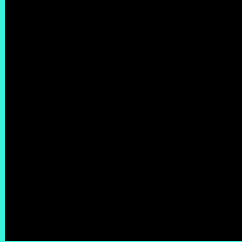
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.4658, 0.2392, 0.3601

Background



This preview shows how black text looks on a background with the Yxy color 69.4658, 0.2392, 0.3601.

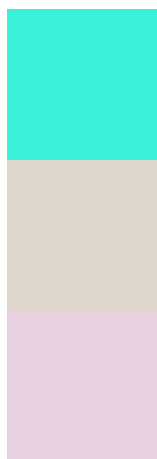


This preview shows how white text looks on a background with the Yxy color 69.4658, 0.2392, 0.3601.

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

69.4658, 0.2392, 0.3601

Protanopia

67.9345, 0.3263, 0.3413

Deuteranopia

68.0261, 0.3180, 0.3119



Tritanopia

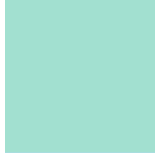
69.2371, 0.2295, 0.3058

Trichromacy



Original Color

69.4658, 0.2392, 0.3601



Protanomaly

65.5468, 0.2816, 0.3486



Deuteranomaly

65.3117, 0.2769, 0.3277



Tritanomaly

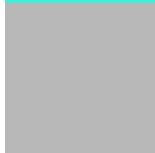
69.0964, 0.2323, 0.3238

Monochromacy



Original Color

69.4658, 0.2392, 0.3601



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

53.0514, 0.2718, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4658, 0.2392, 0.3601 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(58, 242, 218)` looks like.

```
.text, #text, p{  
    color:rgb(58, 242, 218)  
}
```

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(58, 242, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 242, 218) }
```

Border

The CSS property to change the border of an element to Yxy 69.4658, 0.2392, 0.3601 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(58, 242, 218) }
```

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

```
.border{ border-color:rgb(58, 242, 218) }
```

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

Here you see how a box with a 4 pixel rgb(58, 242, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 242, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 242, 218);  
box-shadow:4px 4px 4px 4px rgb(58, 242,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4658, 0.2392, 0.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 242, 218) }
```

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

```
.background{ background-color: rgb(58, 242,  
218) }
```

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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