

Converting Colors

Yxy(68.8956, 0.2543, 0.3423)

Have a look what the booklet for
Yxy(68.8956, 0.2543, 0.3423)
contains.

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Color

Yxy(68.9361, 0.2543, 0.3425)

Conversions

Conversions Part 1

Format	Color
Hex	7AEBE0
RGB	122, 235, 224
RGB Percent	48%, 92%, 88%
CMY	0.5219, 0.0784, 0.1214
CMYK	0.48, 0.00, 0.05, 0.08
HSL	174°, 74%, 70%
HSV	174°, 48%, 92%
XYZ	51.1838, 68.9361, 81.1534
YIQ	199.9590, -63.8170, -27.3770

Conversions

Conversions Part 2

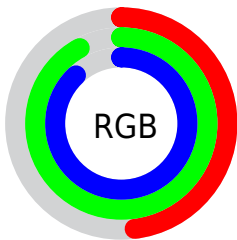
Format	Color
R _Y B	122, 181, 235
Decimal	8055776
CIE Lab	86.47, -34.90, -4.66
CIE LCh	86, 35.213, 187.600
Yxy	68.9361, 0.2543, 0.3425
Android (android.graphics.Color)	4286245856 (0xFF7AEBE0)
YUV	199.9590, 11.8522, -68.3700
Hunter-Lab	83.0278, -35.2594, 0.1679

Details

The Yxy color **68.9361, 0.2543, 0.3425** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **33.2543, 0.4333, 0.3171**, and the grayscale version is **57.6784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **36.0654, 0.2409, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **67.3041, 0.2463, 0.3458**, and if you desaturate by 10%, it is **70.9898, 0.2640, 0.3393**.

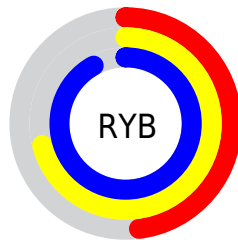
Distribution



Red (48%)

Green (92%)

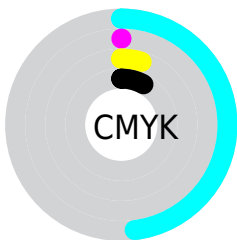
Blue (88%)



Red (48%)

Yellow (71%)

Blue (92%)

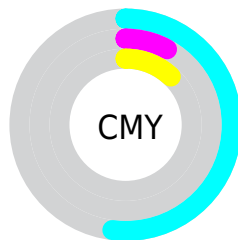


Cyan (48%)

Magenta (0%)

Yellow (5%)

Black (8%)



Cyan (52%)


Magenta (8%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9361, 0.2543, 0.3425 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 68.9361, 0.2543, 0.3425 by changing the saturation by 10% instead.


 68.9361, 0.2543,
0.3425


 68.9361, 0.2543,
0.3425


456.8056, 0.2812,
0.3366


 50.6597, 0.2482,
0.3438


 117.6903, 0.2636,
0.3405

 35.9378, 0.2407,
0.3452


 148.9369, 0.2672,
0.3397

 24.3862, 0.2312,
0.3471


 185.2756, 0.2704,
0.3391

 15.6203, 0.2189,
0.3493

227.0909, 0.2731,
0.3384

 9.2559, 0.2024,
0.3520

274.7671, 0.2755,
0.3379

 4.9085, 0.1791,
0.3554

328.6887, 0.2776,

 2.1937, 0.1443,

0.3374

389.2401, 0.2795,
0.3370

0.3590

0.7165, 0.0000,
0.3917

0.0000, 0.0000,
0.0000

68.9361, 0.2543,
0.3425

68.9361, 0.2543,
0.3425

67.3041, 0.2463,
0.3458

70.9898, 0.2640,
0.3393

66.0553, 0.2402,
0.3491


73.4844, 0.2753,
0.3363


65.1578, 0.2361,
0.3525


76.4478, 0.2878,
0.3335


64.5707, 0.2339,
0.3558

79.9031, 0.3013,
0.3309


 64.2371, 0.2333,
0.3591


 83.8719, 0.3154,
0.3286

 64.1870, 0.2333,
0.3597

 86.8399, 0.3245,
0.3264

 86.9746, 0.3231,
0.3242

 87.1111, 0.3216,
0.3219

 87.2492, 0.3202,
0.3197

Harmonies

Analogous

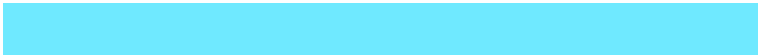
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.9361, 0.2889, 0.3825



68.9361, 0.2543, 0.3425



68.9361, 0.2355, 0.3014

Triad

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



68.9361, 0.2543, 0.3425



68.9361, 0.2895, 0.2641



68.9361, 0.3952, 0.3801

Complementary

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



68.9361, 0.2543, 0.3425



33.2543, 0.4333, 0.3171

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.



68.9361, 0.3966, 0.3472



68.9361, 0.2543, 0.3425



68.9361, 0.3330, 0.2831

Square

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



68.9361, 0.2543, 0.3425



68.9361, 0.2547, 0.2597



68.9361, 0.3733, 0.3126



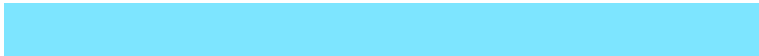
68.9361, 0.3708, 0.4027

Rectangle

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



68.9361, 0.2543, 0.3425



68.9361, 0.2336, 0.2801



68.9361, 0.3733, 0.3126



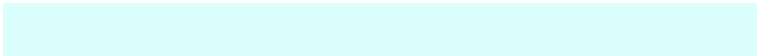
68.9361, 0.3985, 0.3698

Sweetspot

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



68.9388, 0.2543, 0.3425



93.6255, 0.2932, 0.3325



65.8317, 0.3120, 0.4785



19.8525, 0.2903, 0.3330



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.



68.9388, 0.2543, 0.3425



80.9817, 0.2462, 0.3458



46.8602, 0.2382, 0.2698



17.0952, 0.2994, 0.3313



35.7296, 0.2331, 0.3592



2.8130, 0.2318, 0.3546

Inverse Universe

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



33.2543, 0.4333, 0.3171



33.1879, 0.4752, 0.3155



46.7623, 0.4194, 0.3800



15.0778, 0.3278, 0.3267



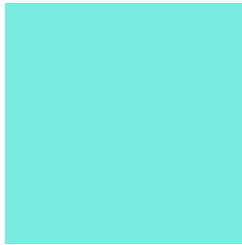
9.8721, 0.6288, 0.3237



0.7833, 0.6033, 0.3097

Previews

White Background



This preview shows how the Yxy color 68.9361, 0.2543, 0.3425 looks on a white background.

Color Contrast Check

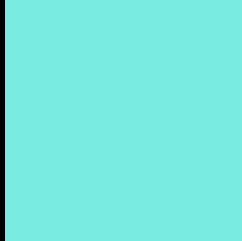
Large Text (above 18pt) WCAG AA × Fail

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 68.9361, 0.2543, 0.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

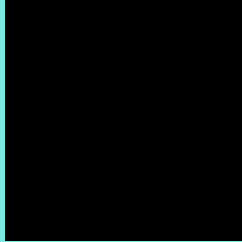
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.9361, 0.2543, 0.3425

Background



This preview shows how black text looks on a background with the Yxy color 68.9361, 0.2543, 0.3425.

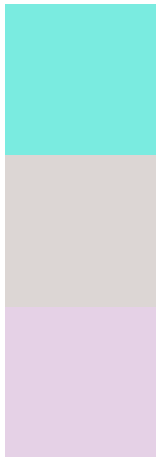


This preview shows how white text looks on a background with the Yxy color 68.9361, 0.2543, 0.3425.

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

68.9361, 0.2543, 0.3425

Protanopia

68.0622, 0.3185, 0.3312

Deuteranopia

67.9721, 0.3130, 0.3066



Tritanopia

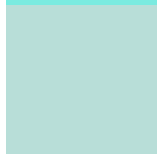
68.7998, 0.2450, 0.3062

Trichromacy



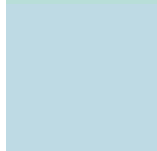
Original Color

68.9361, 0.2543, 0.3425



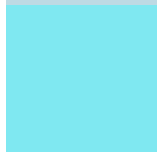
Protanomaly

67.3908, 0.2906, 0.3360



Deuteranomaly

66.6914, 0.2871, 0.3174



Tritanomaly

68.5761, 0.2480, 0.3179

Monochromacy



Original Color

68.9361, 0.2543, 0.3425



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.9626, 0.2865, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9361, 0.2543, 0.3425 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, 235, 224)` looks like.

```
.text, #text, p{  
    color:rgb(122, 235, 224)  
}
```

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, 235, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 235, 224) }
```

Border

The CSS property to change the border of an element to Yxy 68.9361, 0.2543, 0.3425 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, 235, 224) }
```

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

```
.border{ border-color:rgb(122, 235, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 235, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 235, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 235, 224);  
box-shadow:4px 4px 4px 4px rgb(122, 235,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9361, 0.2543, 0.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 235, 224) }
```

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

```
.background{ background-color: rgb(122,  
235, 224) }
```

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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