

Converting Colors

$Yxy(70.4560, 0.2526, 0.3426)$

Have a look what the booklet for
Yxy(70.4560, 0.2526, 0.3426)
contains.

Yxy(70.6171, 0.2524, 0.3424)	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(70.6171, 0.2524, 0.3424)

Conversions

Conversions Part 1

Format	Color
Hex	77EEE3
RGB	119, 238, 227
RGB Percent	47%, 93%, 89%
CMY	0.5331, 0.0667, 0.1097
CMYK	0.50, 0.00, 0.05, 0.07
HSL	174°, 78%, 70%
HSV	174°, 50%, 93%
XYZ	52.0554, 70.6171, 83.5691
YIQ	201.1650, -67.3930, -28.6490

Conversions

Conversions Part 2

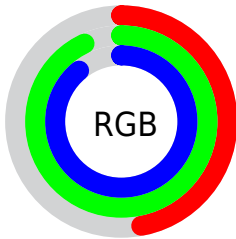
Format	Color
R_{YB}	119, 181, 238
Decimal	7859939
CIE _{Lab}	87.30, -36.17, -5.01
CIE _{LCh}	87, 36.515, 187.893
Y _{xy}	70.6171, 0.2524, 0.3424
Android (android.graphics.Color)	4286050019 (0xFF77EEE3)
YUV	201.1650, 12.7367, -72.0587
Hunter-Lab	84.0340, -36.4866, -0.1382

Details

The Yxy color **70.6171, 0.2524, 0.3424** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.9994, 0.4414, 0.3174**, and the grayscale version is **58.4792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **37.2187, 0.2384, 0.3453** is the 20% darker color. If you saturate the color by 10%, you get **69.0198, 0.2447, 0.3455**, and if you desaturate by 10%, it is **72.6431, 0.2619, 0.3394**.

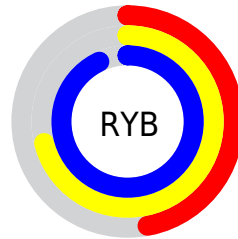
Distribution



Red (47%)

Green (93%)

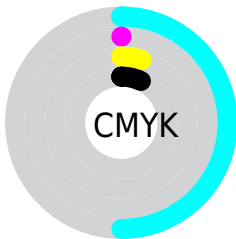
Blue (89%)



Red (47%)

Yellow (71%)

Blue (93%)

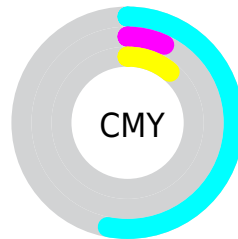


Cyan (50%)

Magenta (0%)

Yellow (5%)

Black (7%)



Cyan (53%)


Magenta (7%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6171, 0.2524, 0.3424 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 70.6171, 0.2524, 0.3424 by changing the saturation by 10% instead.


 70.6171, 0.2524,
0.3424


 70.6171, 0.2524,
0.3424


462.7138, 0.2801,
0.3366

 52.0298, 0.2462,
0.3436


 120.0884, 0.2619,
0.3405

 37.0288, 0.2385,
0.3451


 151.7411, 0.2657,
0.3397

 25.2298, 0.2289,
0.3468


 188.5178, 0.2689,
0.3390

 16.2483, 0.2164,
0.3489

230.8027, 0.2717,
0.3384

 9.7001, 0.1998,
0.3514

278.9804, 0.2742,
0.3379

 5.2005, 0.1765,
0.3544

333.4353, 0.2764,

 2.3654, 0.1422,

0.3374

394.5516, 0.2783,
0.3370

0.3575

0.8080, 0.0000,
0.3916

0.0000, 0.0000,
0.0000

70.6171, 0.2524,
0.3424

70.6171, 0.2524,
0.3424

69.0198, 0.2447,
0.3455

72.6431, 0.2619,
0.3394

67.8108, 0.2390,
0.3487


75.1182, 0.2729,
0.3365

66.9563, 0.2352,
0.3519


78.0716, 0.2853,
0.3338


66.4125, 0.2333,
0.3551


81.5273, 0.2986,
0.3313

 66.1059, 0.2328,
0.3582


 85.5080, 0.3128,
0.3290

 66.1051, 0.2328,
0.3582

 88.7093, 0.3227,
0.3269

 88.8409, 0.3213,
0.3247

 88.9740, 0.3199,
0.3226

 89.1087, 0.3186,
0.3205

Harmonies

Analogous

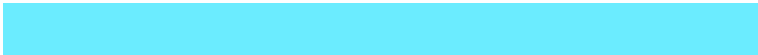
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.6171, 0.2878, 0.3838



70.6171, 0.2524, 0.3424



70.6171, 0.2334, 0.3001

Triad

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



70.6171, 0.2524, 0.3424



70.6171, 0.2892, 0.2625



70.6171, 0.3974, 0.3817

Complementary

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



70.6171, 0.2524, 0.3424



32.9994, 0.4414, 0.3174

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.



70.6171, 0.3991, 0.3479



70.6171, 0.2524, 0.3424



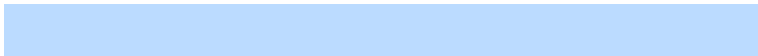
70.6171, 0.3340, 0.2821

Square

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



70.6171, 0.2524, 0.3424



70.6171, 0.2534, 0.2578



70.6171, 0.3753, 0.3124



70.6171, 0.3720, 0.4049

Rectangle

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



70.6171, 0.2524, 0.3424



70.6171, 0.2315, 0.2784



70.6171, 0.3753, 0.3124



70.6171, 0.4009, 0.3711

Sweetspot

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



70.6199, 0.2524, 0.3424



93.2280, 0.2917, 0.3325



67.3020, 0.3118, 0.4851



19.7747, 0.2889, 0.3331



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.



70.6199, 0.2524, 0.3424



80.6881, 0.2446, 0.3456



47.1107, 0.2355, 0.2670



17.9023, 0.2993, 0.3312



36.8920, 0.2327, 0.3577



3.0764, 0.2315, 0.3535

Inverse Universe

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



32.9994, 0.4414, 0.3174



32.0266, 0.4851, 0.3161



47.0153, 0.4250, 0.3818



15.7825, 0.3279, 0.3269



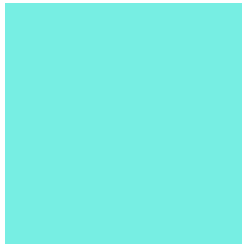
10.1813, 0.6296, 0.3242



0.8550, 0.6063, 0.3114

Previews

White Background



This preview shows how the Yxy color 70.6171, 0.2524, 0.3424 looks on a white background.

Color Contrast Check

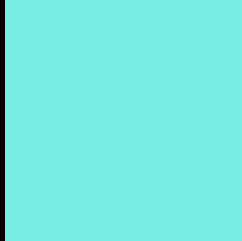
Large Text (above 18pt) WCAG AA × Fail

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 70.6171, 0.2524, 0.3424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

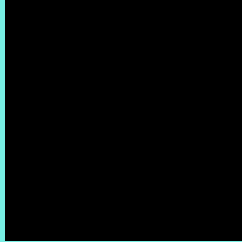
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6171, 0.2524, 0.3424

Background



This preview shows how black text looks on a background with the Yxy color 70.6171, 0.2524, 0.3424.

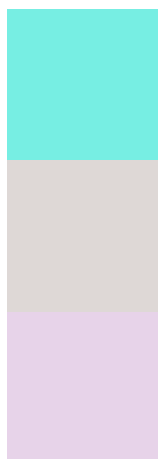


This preview shows how white text looks on a background with the Yxy color 70.6171, 0.2524, 0.3424.

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

70.6171, 0.2524, 0.3424

Protanopia

69.4964, 0.3184, 0.3312

Deuteranopia

69.4606, 0.3123, 0.3058



Tritanopia

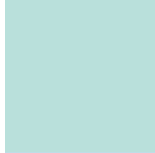
70.5267, 0.2435, 0.3064

Trichromacy



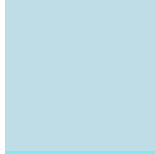
Original Color

70.6171, 0.2524, 0.3424



Protanomaly

68.7401, 0.2895, 0.3348



Deuteranomaly

68.4296, 0.2854, 0.3175



Tritanomaly

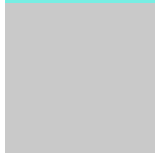
70.3083, 0.2465, 0.3180

Monochromacy



Original Color

70.6171, 0.2524, 0.3424



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.4042, 0.2853, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6171, 0.2524, 0.3424 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(119, 238, 227)` looks like.

```
.text, #text, p{  
    color:rgb(119, 238, 227)  
}
```

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(119, 238, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 238, 227) }
```

Border

The CSS property to change the border of an element to Yxy 70.6171, 0.2524, 0.3424 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(119, 238, 227) }
```

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

```
.border{ border-color:rgb(119, 238, 227) }
```

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

Here you see how a box with a 4 pixel rgb(119, 238, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 238, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 238, 227);  
box-shadow:4px 4px 4px 4px rgb(119, 238,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6171, 0.2524, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 238, 227) }
```

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

```
.background{ background-color: rgb(119,  
238, 227) }
```

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