

Converting Colors

$Yxy(71.6510, 0.2464, 0.3504)$

Have a look what the booklet for
Yxy(71.6510, 0.2464, 0.3504)
contains.

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Color

Yxy(71.4819, 0.2463, 0.3502)

Conversions

Conversions Part 1

Format	Color
Hex	61F2E1
RGB	97, 242, 225
RGB Percent	38%, 95%, 88%
CMY	0.6193, 0.0510, 0.1178
CMYK	0.60, 0.00, 0.07, 0.05
HSL	173°, 85%, 66%
HSV	173°, 60%, 95%
XYZ	50.2741, 71.4819, 82.3614
YIQ	196.7070, -80.9630, -36.0270

Conversions

Conversions Part 2

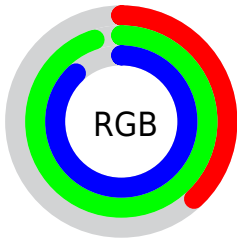
Format	Color
R _{YB}	97, 174, 242
Decimal	6419169
CIE Lab	87.72, -42.70, -3.40
CIE LCh	88, 42.835, 184.558
Yxy	71.4819, 0.2463, 0.3502
Android (android.graphics.Color)	4284609249 (0xFF61F2E1)
YUV	196.7070, 13.9484, -87.4430
Hunter-Lab	84.5470, -41.8159, 1.4256

Details

The Yxy color **71.4819, 0.2463, 0.3502** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **28.6561, 0.4789, 0.3123**, and the grayscale version is **55.6104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **37.6002, 0.2317, 0.3541** is the 20% darker color. If you saturate the color by 10%, you get **70.1970, 0.2407, 0.3543**, and if you desaturate by 10%, it is **73.1803, 0.2538, 0.3462**.

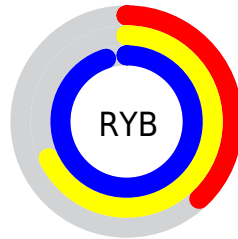
Distribution



Red (38%)

Green (95%)

Blue (88%)



Red (38%)

Yellow (68%)

Blue (95%)

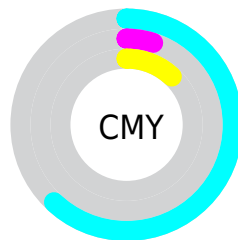


Cyan (60%)

Magenta (0%)

Yellow (7%)

Black (5%)



Cyan (62%)


Magenta (5%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.4819, 0.2463, 0.3502 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 71.4819, 0.2463, 0.3502 by changing the saturation by 10% instead.


 71.4819, 0.2463,
0.3502


 71.4819, 0.2463,
0.3502

465.7363, 0.2767,
0.3408


 52.7356, 0.2395,
0.3522


 121.3196, 0.2568,
0.3470

 37.5917, 0.2311,
0.3547


 153.1798, 0.2609,
0.3457

 25.6660, 0.2206,
0.3578


 190.1801, 0.2644,
0.3447

 16.5739, 0.2070,
0.3616

232.7048, 0.2675,
0.3437

 9.9312, 0.1890,
0.3664

281.1384, 0.2702,
0.3428

 5.3533, 0.1639,
0.3727

335.8652, 0.2726,

 2.4560, 0.1274,

0.3421

397.2697, 0.2748,
0.3414

0.3808

0.8545, 0.0000,
0.4194

0.0000, 0.0000,
0.0000

71.4819, 0.2463,
0.3502

71.4819, 0.2463,
0.3502

70.1970, 0.2407,
0.3543

73.1803, 0.2538,
0.3462

69.2792, 0.2371,
0.3584


75.3174, 0.2631,
0.3423

68.6857, 0.2354,
0.3625

77.9257, 0.2739,
0.3386

68.3412, 0.2352,
0.3666

81.0328, 0.2860,
0.3351

 68.3379, 0.2352,
0.3667

 84.6637, 0.2991,
0.3319

 88.8421, 0.3129,
0.3290

 91.3498, 0.3195,
0.3262

 91.5247, 0.3177,
0.3235

 91.7023, 0.3160,
0.3208

Harmonies

Analogous

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



71.4819, 0.2886, 0.3983



71.4819, 0.2463, 0.3502



71.4819, 0.2225, 0.2995

Triad

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



71.4819, 0.2463, 0.3502



71.4819, 0.2797, 0.2511



71.4819, 0.4131, 0.3851

Complementary

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



71.4819, 0.2463, 0.3502



28.6561, 0.4789, 0.3123

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.



71.4819, 0.4121, 0.3453



71.4819, 0.2463, 0.3502



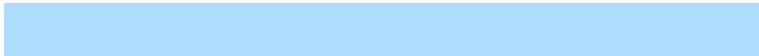
71.4819, 0.3313, 0.2717

Square

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



71.4819, 0.2463, 0.3502



71.4819, 0.2405, 0.2474



71.4819, 0.3813, 0.3051



71.4819, 0.3856, 0.4151

Rectangle

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



71.4819, 0.2463, 0.3502



71.4819, 0.2188, 0.2733



71.4819, 0.3813, 0.3051



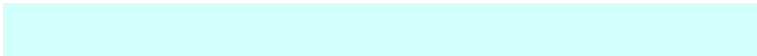
71.4819, 0.4163, 0.3724

Sweetspot

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



71.4847, 0.2463, 0.3502



91.9674, 0.2883, 0.3345



68.1090, 0.3129, 0.5176



19.4467, 0.2846, 0.3355



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.



71.4847, 0.2463, 0.3502



78.7825, 0.2397, 0.3553



45.2901, 0.2235, 0.2586



17.8951, 0.2997, 0.3318



36.7247, 0.2350, 0.3660



3.0641, 0.2335, 0.3606

Inverse Universe

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



28.6561, 0.4789, 0.3123



26.6073, 0.5340, 0.3123



41.6211, 0.4600, 0.3851



15.7890, 0.3275, 0.3263



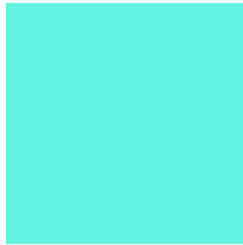
10.1973, 0.6256, 0.3220



0.8581, 0.5979, 0.3067

Previews

White Background



This preview shows how the Yxy color 71.4819, 0.2463, 0.3502 looks on a white background.

Color Contrast Check

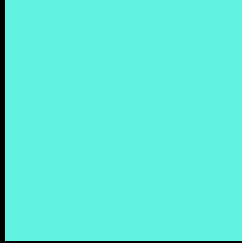
Large Text (above 18pt) WCAG AA × Fail

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 71.4819, 0.2463, 0.3502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

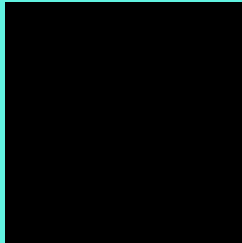
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

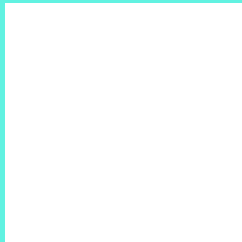
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.4819, 0.2463, 0.3502

Background



This preview shows how black text looks on a background with the Yxy color 71.4819, 0.2463, 0.3502.

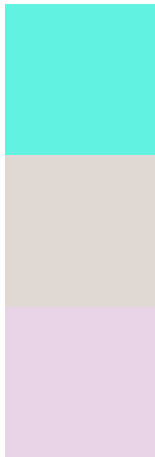


This preview shows how white text looks on a background with the Yxy color 71.4819, 0.2463, 0.3502.

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

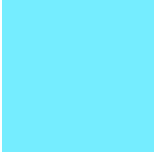
71.4819, 0.2463, 0.3502

Protanopia

70.1762, 0.3219, 0.3356

Deuteranopia

70.1801, 0.3151, 0.3090



Tritanopia

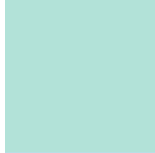
71.5703, 0.2392, 0.3075

Trichromacy



Original Color

71.4819, 0.2463, 0.3502



Protanomaly

68.8156, 0.2869, 0.3407



Deuteranomaly

68.6228, 0.2829, 0.3220



Tritanomaly

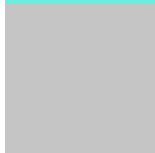
71.5797, 0.2418, 0.3227

Monochromacy



Original Color

71.4819, 0.2463, 0.3502



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

59.6706, 0.2805, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.4819, 0.2463, 0.3502 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(97, 242, 225)` looks like.

```
.text, #text, p{  
    color:rgb(97, 242, 225)  
}
```

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(97, 242, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 242, 225) }
```

Border

The CSS property to change the border of an element to Yxy 71.4819, 0.2463, 0.3502 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(97, 242, 225) }
```

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

```
.border{ border-color:rgb(97, 242, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 242, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 242, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 242, 225);  
box-shadow:4px 4px 4px 4px rgb(97, 242,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 71.4819, 0.2463, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 242, 225) }
```

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

```
.background{ background-color: rgb(97, 242,  
225) }
```

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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