

Converting Colors

$Y_{xy}(71.8292, 0.2501, 0.3391)$

Have a look what the booklet for
Yxy(71.8292, 0.2501, 0.3391)
contains.

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Color

Yxy(71.8716, 0.2502, 0.3399)

Conversions

Conversions Part 1

Format	Color
Hex	75F0E7
RGB	117, 240, 231
RGB Percent	46%, 94%, 91%
CMY	0.5417, 0.0587, 0.0942
CMYK	0.51, 0.00, 0.04, 0.06
HSL	176°, 80%, 70%
HSV	176°, 51%, 94%
XYZ	52.9046, 71.8716, 86.6730
YIQ	202.1970, -70.4190, -28.8750

Conversions

Conversions Part 2

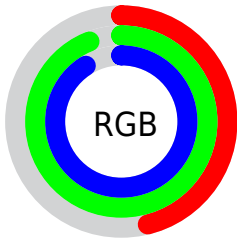
Format	Color
R_{YB}	117, 181, 240
Decimal	7729383
CIE _{Lab}	87.91, -36.58, -6.21
CIE _{LCh}	88, 37.100, 189.629
Yxy	71.8716, 0.2502, 0.3399
Android (android.graphics.Color)	4285919463 (0xFF75F0E7)
YUV	202.1970, 14.1999, -74.7178
Hunter-Lab	84.7771, -36.9682, -1.2720

Details

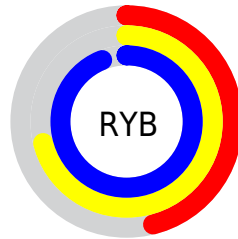
The Yxy color **71.8716, 0.2502, 0.3399** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.7252, 0.4498, 0.3197**, and the grayscale version is **59.1157, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **37.6797, 0.2356, 0.3403** is the 20% darker color. If you saturate the color by 10%, you get **70.3227, 0.2427, 0.3424**, and if you desaturate by 10%, it is **73.8530, 0.2596, 0.3375**.

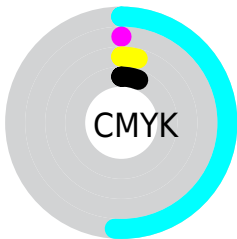
Distribution



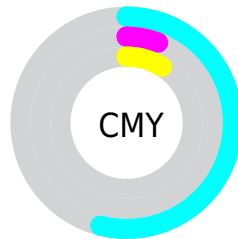
- Red (46%)
- Green (94%)
- Blue (91%)



- Red (46%)
- Yellow (71%)
- Blue (94%)



- Cyan (51%)
- Magenta (0%)
- Yellow (4%)
- Black (6%)





- Cyan (54%)
- Magenta (6%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.8716, 0.2502, 0.3399 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 71.8716, 0.2502, 0.3399 by changing the saturation by 10% instead.

 71.8716, 0.2502,
0.3399

 71.8716, 0.2502,
0.3399


467.0946, 0.2787,
0.3354


 53.0538, 0.2438,
0.3408


 121.8740, 0.2600,
0.3384

 37.8457, 0.2360,
0.3418


 153.8273, 0.2638,
0.3378

 25.8630, 0.2261,
0.3431


 190.9280, 0.2672,
0.3373

 16.7212, 0.2135,
0.3444

233.5603, 0.2701,
0.3368

 10.0359, 0.1967,
0.3460

282.1087, 0.2726,
0.3364

 5.4228, 0.1734,
0.3474

336.9577, 0.2749,

 2.4974, 0.1394,

0.3360

398.4915, 0.2769,
0.3357

0.3479

0.8753, 0.0000,
0.3762

0.0000, 0.0000,
0.0000

71.8716, 0.2502,
0.3399

71.8716, 0.2502,
0.3399

70.3227, 0.2427,
0.3424

73.8530, 0.2596,
0.3375

69.1647, 0.2370,
0.3449

76.2884, 0.2706,
0.3352

68.3622, 0.2334,
0.3474


79.2076, 0.2830,
0.3331


67.8693, 0.2315,
0.3498


82.6356, 0.2965,
0.3311

 67.6287, 0.2311,
0.3520

 86.5957, 0.3108,
0.3292

 89.9768, 0.3217,
0.3275

 90.0829, 0.3206,
0.3258

 90.1900, 0.3195,
0.3241

 90.2981, 0.3184,
0.3224

Harmonies

Analogous

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



71.8716, 0.2851, 0.3823



71.8716, 0.2502, 0.3399



71.8716, 0.2321, 0.2976

Triad

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



71.8716, 0.2502, 0.3399



71.8716, 0.2914, 0.2627



71.8716, 0.3974, 0.3839

Complementary

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



71.8716, 0.2502, 0.3399



32.7252, 0.4498, 0.3197

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.



71.8716, 0.4006, 0.3501



71.8716, 0.2502, 0.3399



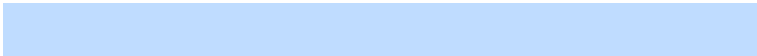
71.8716, 0.3369, 0.2832

Square

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



71.8716, 0.2502, 0.3399



71.8716, 0.2545, 0.2570



71.8716, 0.3780, 0.3142



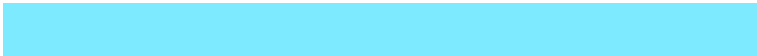
71.8716, 0.3705, 0.4065

Rectangle

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



71.8716, 0.2502, 0.3399



71.8716, 0.2310, 0.2763



71.8716, 0.3780, 0.3142



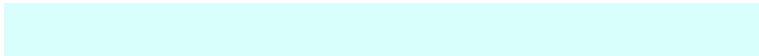
71.8716, 0.4014, 0.3734

Sweetspot

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



71.8744, 0.2502, 0.3399



93.2740, 0.2913, 0.3318



68.1363, 0.3105, 0.4904



19.7859, 0.2885, 0.3322



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.



71.8744, 0.2502, 0.3399



80.5511, 0.2421, 0.3426



46.3353, 0.2330, 0.2622



17.9078, 0.2991, 0.3307



37.0221, 0.2310, 0.3516



3.0858, 0.2301, 0.3483

Inverse Universe

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



32.7252, 0.4498, 0.3197



30.8843, 0.4980, 0.3188



47.8832, 0.4279, 0.3852



15.7777, 0.3282, 0.3273



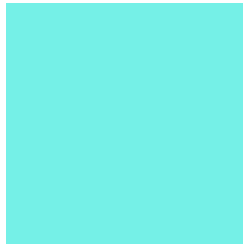
10.1713, 0.6322, 0.3256



0.8527, 0.6129, 0.3150

Previews

White Background



This preview shows how the Yxy color 71.8716, 0.2502, 0.3399 looks on a white background.

Color Contrast Check

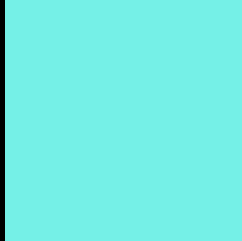
Large Text (above 18pt) WCAG AA × Fail

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 71.8716, 0.2502, 0.3399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

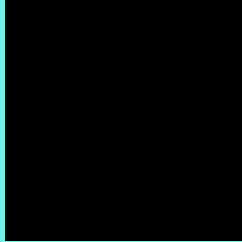
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.8716, 0.2502, 0.3399

Background



This preview shows how black text looks on a background with the Yxy color 71.8716, 0.2502, 0.3399.

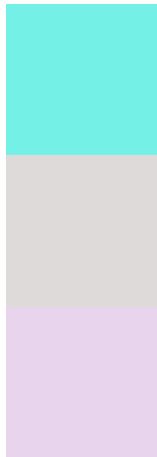


This preview shows how white text looks on a background with the Yxy color 71.8716, 0.2502, 0.3399.

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

71.8716, 0.2502, 0.3399

Protanopia

70.8927, 0.3163, 0.3290

Deuteranopia

70.8587, 0.3103, 0.3039



Tritanopia

71.7229, 0.2427, 0.3065

Trichromacy



Original Color

71.8716, 0.2502, 0.3399



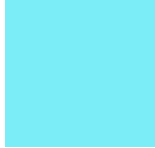
Protanomaly

69.9108, 0.2866, 0.3324



Deuteranomaly

69.7207, 0.2832, 0.3153



Tritanomaly

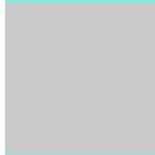
71.4331, 0.2453, 0.3181

Monochromacy



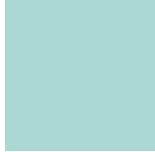
Original Color

71.8716, 0.2502, 0.3399



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

62.5738, 0.2836, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.8716, 0.2502, 0.3399 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(117, 240, 231)` looks like.

```
.text, #text, p{  
    color:rgb(117, 240, 231)  
}
```

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(117, 240, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 240, 231) }
```

Border

The CSS property to change the border of an element to Yxy 71.8716, 0.2502, 0.3399 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(117, 240, 231) }
```

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

```
.border{ border-color:rgb(117, 240, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 240, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 240, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 240, 231);  
box-shadow:4px 4px 4px 4px rgb(117, 240,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 71.8716, 0.2502, 0.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 240, 231) }
```

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

```
.background{ background-color: rgb(117,  
240, 231) }
```

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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