

Converting Colors

$Y_{xy}(73.7190, 0.2509, 0.3369)$

Have a look what the booklet for
Yxy(73.7190, 0.2509, 0.3369)
contains.

Yxy(73.6400, 0.2509, 0.3373)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(73.6400, 0.2509, 0.3373)$

Conversions

Conversions Part 1

Format	Color
Hex	7AF2EB
RGB	122, 242, 235
RGB Percent	48%, 95%, 92%
CMY	0.5213, 0.0510, 0.0785
CMYK	0.50, 0.00, 0.03, 0.05
HSL	176°, 82%, 71%
HSV	176°, 50%, 95%
XYZ	54.7770, 73.6400, 89.9050
YIQ	205.3220, -69.2730, -27.6170

Conversions

Conversions Part 2

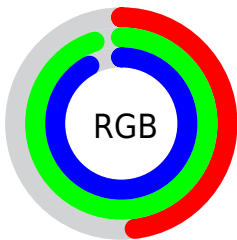
Format	Color
RYB	122, 184, 242
Decimal	8057579
CIELab	88.75, -35.42, -7.02
CIELCh	89, 36.115, 191.215
Yxy	73.6400, 0.2509, 0.3373
Android (android.graphics.Color)	4286247659 (0xFF7AF2EB)
YUV	205.3220, 14.6313, -73.0734
Hunter-Lab	85.8138, -36.2332, -2.0471

Details

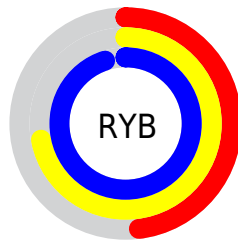
The Yxy color **73.6400, 0.2509, 0.3373** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.3995, 0.4449, 0.3218**, and the grayscale version is **61.2146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **38.8225, 0.2369, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **72.0081, 0.2429, 0.3392**, and if you desaturate by 10%, it is **75.7181, 0.2607, 0.3354**.

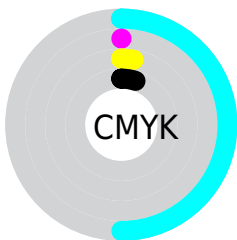
Distribution



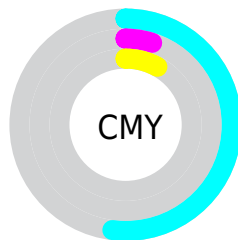
- Red (48%)
- Green (95%)
- Blue (92%)



- Red (48%)
- Yellow (72%)
- Blue (95%)



- Cyan (50%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)





- Cyan (52%)
- Magenta (5%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.6400, 0.2509, 0.3373 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 73.6400, 0.2509, 0.3373 by changing the saturation by 10% instead.


 73.6400, 0.2509,
0.3373


 73.6400, 0.2509,
0.3373


473.2300, 0.2790,
0.3340


 54.4994, 0.2446,
0.3379


 124.3854, 0.2605,
0.3363

 39.0011, 0.2370,
0.3386


 156.7589, 0.2643,
0.3358

 26.7606, 0.2274,
0.3393


 194.3123, 0.2676,
0.3355

 17.3935, 0.2151,
0.3401

237.4299, 0.2704,
0.3351

 10.5154, 0.1989,
0.3408

286.4960, 0.2729,
0.3348

 5.7420, 0.1764,
0.3412

341.8952, 0.2752,

 2.6889, 0.1438,

0.3345

0.3400

404.0117, 0.2772,
0.3343

0.9715, 0.0208,
0.3600

0.0000, 0.0000,
0.0000

73.6400, 0.2509,
0.3373

73.6400, 0.2509,
0.3373

72.0081, 0.2429,
0.3392

75.7181, 0.2607,
0.3354

70.7806, 0.2369,
0.3412


78.2636, 0.2721,
0.3336

69.9223, 0.2328,
0.3432


81.3067, 0.2849,
0.3319

69.3882, 0.2305,
0.3451

84.8725, 0.2988,
0.3304


 69.1060, 0.2298,
0.3471


 88.9845, 0.3134,
0.3289

 69.0957, 0.2298,
0.3472

 91.2637, 0.3203,
0.3276

 91.3499, 0.3195,
0.3262

 91.4368, 0.3186,
0.3248

 91.5243, 0.3177,
0.3235

Harmonies

Analogous

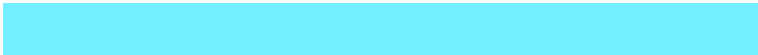
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6400, 0.2840, 0.3785



73.6400, 0.2509, 0.3373



73.6400, 0.2343, 0.2970

Triad

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



73.6400, 0.2509, 0.3373



73.6400, 0.2944, 0.2655



73.6400, 0.3936, 0.3837

Complementary

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



73.6400, 0.2509, 0.3373



34.3995, 0.4449, 0.3218

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.



73.6400, 0.3981, 0.3515



73.6400, 0.2509, 0.3373



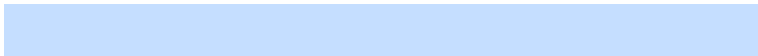
73.6400, 0.3384, 0.2860

Square

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



73.6400, 0.2509, 0.3373



73.6400, 0.2580, 0.2591



73.6400, 0.3774, 0.3166



73.6400, 0.3668, 0.4045

Rectangle

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



73.6400, 0.2509, 0.3373



73.6400, 0.2339, 0.2768



73.6400, 0.3774, 0.3166



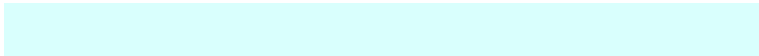
73.6400, 0.3979, 0.3738

Sweetspot

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



73.6429, 0.2509, 0.3373



93.3100, 0.2910, 0.3312



69.6611, 0.3096, 0.4848



19.7947, 0.2881, 0.3316



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.



73.6429, 0.2509, 0.3373



81.1616, 0.2432, 0.3392



47.3921, 0.2350, 0.2621



17.9120, 0.2989, 0.3304



37.1263, 0.2297, 0.3468



3.0934, 0.2290, 0.3443

Inverse Universe

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



34.3995, 0.4449, 0.3218



32.4721, 0.4870, 0.3211



50.5701, 0.4216, 0.3857



15.7738, 0.3284, 0.3277



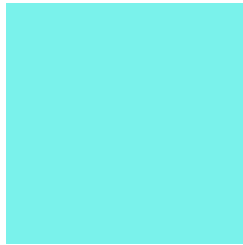
10.1646, 0.6339, 0.3266



0.8508, 0.6181, 0.3179

Previews

White Background



This preview shows how the Yxy color 73.6400, 0.2509, 0.3373 looks on a white background.

Color Contrast Check

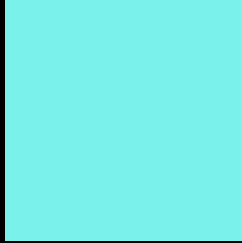
Large Text (above 18pt) WCAG AA × Fail

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 73.6400, 0.2509, 0.3373 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 73.6400, 0.2509, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 73.6400, 0.2509, 0.3373.

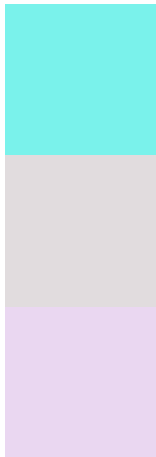


This preview shows how white text looks on a background with the Yxy color 73.6400, 0.2509, 0.3373.

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

73.6400, 0.2509, 0.3373

Protanopia

72.4679, 0.3150, 0.3269

Deuteranopia

72.4442, 0.3090, 0.3020



Tritanopia

73.3638, 0.2484, 0.3080

Trichromacy



Original Color

73.6400, 0.2509, 0.3373



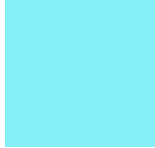
Protanomaly

71.7242, 0.2869, 0.3301



Deuteranomaly

71.4199, 0.2829, 0.3133



Tritanomaly

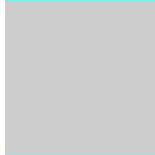
73.4969, 0.2489, 0.3182

Monochromacy



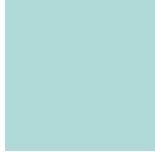
Original Color

73.6400, 0.2509, 0.3373



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

64.2146, 0.2845, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6400, 0.2509, 0.3373 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, 242, 235)` looks like.

```
.text, #text, p{  
    color:rgb(122, 242, 235)  
}
```

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, 242, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 242, 235) }
```

Border

The CSS property to change the border of an element to Yxy 73.6400, 0.2509, 0.3373 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, 242, 235) }
```

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

```
.border{ border-color:rgb(122, 242, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 242, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 242, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 242, 235);  
box-shadow:4px 4px 4px 4px rgb(122, 242,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6400, 0.2509, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 242, 235) }
```

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

```
.background{ background-color: rgb(122,  
242, 235) }
```

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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