

Converting Colors

$Y_{xy}(76.5048, 0.2397, 0.3605)$

Have a look what the booklet for
Yxy(76.5048, 0.2397, 0.3605)
contains.

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Color

Yxy(76.2236, 0.2397, 0.3601)

Conversions

Conversions Part 1

Format	Color
Hex	3FFCE3
RGB	63, 252, 227
RGB Percent	25%, 99%, 89%
CMY	0.7519, 0.0118, 0.1098
CMYK	0.75, 0.00, 0.10, 0.01
HSL	172°, 97%, 62%
HSV	172°, 75%, 99%
XYZ	50.7381, 76.2236, 84.7117
YIQ	192.6390, -104.6190, -47.8430

Conversions

Conversions Part 2

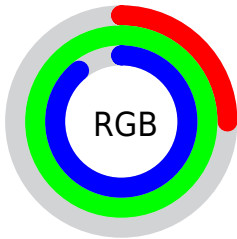
Format	Color
RYB	63, 164, 252
Decimal	4193507
CIELab	89.96, -51.13, -1.25
CIELCh	90, 51.149, 181.402
Yxy	76.2236, 0.2397, 0.3601
Android (android.graphics.Color)	4282383587 (0xFF3FFCE3)
YUV	192.6390, 16.9400, -113.6934
Hunter-Lab	87.3061, -49.0501, 3.5862

Details

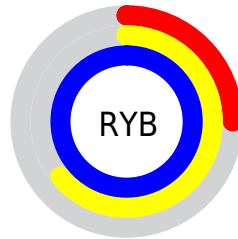
The Yxy color **76.2236, 0.2397, 0.3601** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.9884, 0.5429, 0.3104**, and the grayscale version is **53.0977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **41.5621, 0.2347, 0.3648** is the 20% darker color. If you saturate the color by 10%, you get **75.3917, 0.2372, 0.3648**, and if you desaturate by 10%, it is **77.4447, 0.2442, 0.3554**.

Distribution



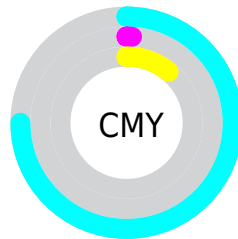
- Red (25%)
- Green (99%)
- Blue (89%)



- Red (25%)
- Yellow (64%)
- Blue (99%)



- Cyan (75%)
- Magenta (0%)
- Yellow (10%)
- Black (1%)




- Cyan (75%)
- Magenta (1%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2236, 0.2397, 0.3601 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 76.2236, 0.2397, 0.3601 by changing the saturation by 10% instead.


 76.2236, 0.2397,
0.3601


 76.2236, 0.2397,
0.3601


482.1128, 0.2728,
0.3461


 56.6159, 0.2323,
0.3632

 128.0429, 0.2510,
0.3553

 40.6969, 0.2234,
0.3669

 161.0233, 0.2555,
0.3535

 28.0823, 0.2122,
0.3715


 199.2301, 0.2593,
0.3518

 18.3877, 0.1979,
0.3774

 243.0475, 0.2627,
0.3504

 11.2287, 0.1791,
0.3851

292.8602, 0.2657,
0.3492

 6.2209, 0.1535,
0.3954


349.0523, 0.2683,

 2.9799, 0.1171,

0.3480


0.4095


412.0084, 0.2707,
0.3470

 1.1212, 0.0000,
0.4581

 0.0000, 0.0000,
0.0000

 76.2236, 0.2397,
0.3601


 76.2236, 0.2397,
0.3601


 75.3917, 0.2372,
0.3648


 77.4447, 0.2442,
0.3554

 74.8838, 0.2365,
0.3695

 79.0920, 0.2506,
0.3508

 74.7091, 0.2366,
0.3718


 81.2077, 0.2589,
0.3463

 83.8268, 0.2689,
0.3419

 86.9807, 0.2802,
0.3379

 90.6984, 0.2927,
0.3341

 95.0067, 0.3060,
0.3306

 98.0107, 0.3136,
0.3274

 98.0944, 0.3129,
0.3261

Harmonies

Analogous

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



76.2236, 0.2898, 0.4160



76.2236, 0.2397, 0.3601



76.2236, 0.2104, 0.2993

Triad

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



76.2236, 0.2397, 0.3601



76.2236, 0.2684, 0.2382



76.2236, 0.4311, 0.3878

Complementary

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



76.2236, 0.2397, 0.3601



24.9884, 0.5429, 0.3104

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.



76.2236, 0.4268, 0.3415



76.2236, 0.2397, 0.3601



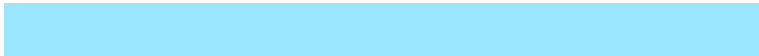
76.2236, 0.3273, 0.2599

Square

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



76.2236, 0.2397, 0.3601



76.2236, 0.2260, 0.2358



76.2236, 0.3874, 0.2964



76.2236, 0.4013, 0.4257

Rectangle

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



76.2236, 0.2397, 0.3601



76.2236, 0.2047, 0.2677



76.2236, 0.3874, 0.2964



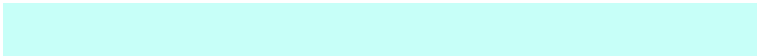
76.2236, 0.4338, 0.3727

Sweetspot

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



76.2265, 0.2397, 0.3601



90.3992, 0.2837, 0.3367



72.0726, 0.3098, 0.5613



19.1393, 0.2804, 0.3378



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.



76.2265, 0.2397, 0.3601



77.1481, 0.2366, 0.3672



41.8762, 0.2068, 0.2371



19.5667, 0.2998, 0.3321



38.9363, 0.2364, 0.3710



3.6168, 0.2349, 0.3655

Inverse Universe

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



24.9884, 0.5429, 0.3104



22.2613, 0.6013, 0.3164



37.6864, 0.5117, 0.3907



17.2626, 0.3273, 0.3259



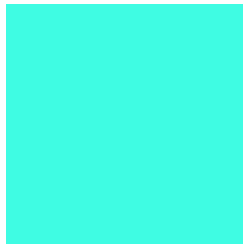
10.8506, 0.6232, 0.3206



1.0162, 0.5964, 0.3059

Previews

White Background



This preview shows how the Yxy color 76.2236, 0.2397, 0.3601 looks on a white background.

Color Contrast Check

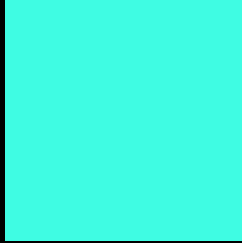
Large Text (above 18pt) WCAG AA × Fail

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 76.2236, 0.2397, 0.3601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

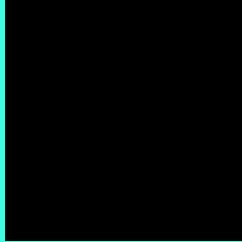
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.2236, 0.2397, 0.3601

Background



This preview shows how black text looks on a background with the Yxy color 76.2236, 0.2397, 0.3601.

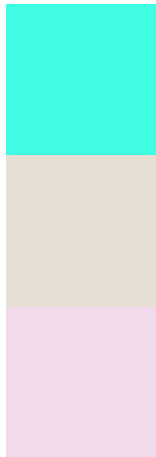


This preview shows how white text looks on a background with the Yxy color 76.2236, 0.2397, 0.3601.

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

76.2236, 0.2397, 0.3601

Protanopia

74.4674, 0.3264, 0.3419

Deuteranopia

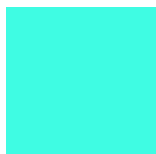
74.8417, 0.3178, 0.3116



Tritanopia

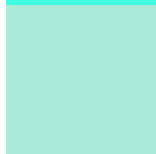
75.4695, 0.2507, 0.3117

Trichromacy



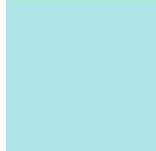
Original Color

76.2236, 0.2397, 0.3601



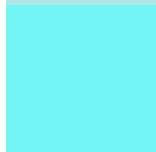
Protanomaly

72.4014, 0.2821, 0.3490



Deuteranomaly

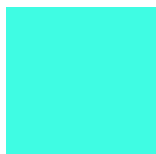
71.6499, 0.2770, 0.3266



Tritanomaly

74.9388, 0.2444, 0.3276

Monochromacy



Original Color

76.2236, 0.2397, 0.3601



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

58.6119, 0.2726, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2236, 0.2397, 0.3601 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(63, 252, 227)` looks like.

```
.text, #text, p{  
    color:rgb(63, 252, 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(63, 252, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 252, 227) }
```

Border

The CSS property to change the border of an element to Yxy 76.2236, 0.2397, 0.3601 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(63, 252, 227) }
```

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

```
.border{ border-color:rgb(63, 252, 227) }
```

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

Here you see how a box with a 4 pixel rgb(63, 252, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 252, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 252, 227);  
box-shadow:4px 4px 4px 4px rgb(63, 252,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2236, 0.2397, 0.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 252, 227) }
```

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

```
.background{ background-color: rgb(63, 252,  
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](#).

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