

Converting Colors

$Yxy(77.5705, 0.2445, 0.3377)$

Have a look what the booklet for
Yxy(77.5705, 0.2445, 0.3377)
contains.

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Color

Yxy(77.3503, 0.2445, 0.3372)

Conversions

Conversions Part 1

Format	Color
Hex	6CF9F2
RGB	108, 249, 242
RGB Percent	42%, 98%, 95%
CMY	0.5763, 0.0235, 0.0511
CMYK	0.57, 0.00, 0.03, 0.02
HSL	177°, 92%, 70%
HSV	177°, 57%, 98%
XYZ	56.0858, 77.3503, 95.9538
YIQ	206.0430, -81.7890, -32.0690

Conversions

Conversions Part 2

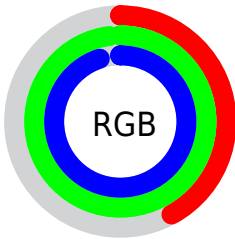
Format	Color
R _Y B	108, 180, 249
Decimal	7141874
CIE Lab	90.48, -39.60, -8.16
CIE LCh	90, 40.428, 191.641
Yxy	77.3503, 0.2445, 0.3372
Android (android.graphics.Color)	4285331954 (0xFF6CF9F2)
YUV	206.0430, 17.7268, -85.9837
Hunter-Lab	87.9490, -40.0798, -3.1221

Details

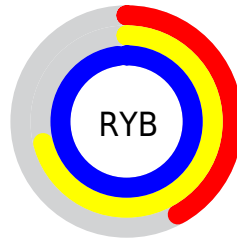
The Yxy color **77.3503, 0.2445, 0.3372** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.1124, 0.4773, 0.3225**, and the grayscale version is **61.6801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **41.4641, 0.2296, 0.3383** is the 20% darker color. If you saturate the color by 10%, you get **75.9337, 0.2378, 0.3389**, and if you desaturate by 10%, it is **79.2191, 0.2531, 0.3356**.

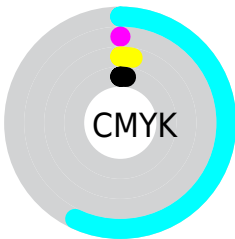
Distribution



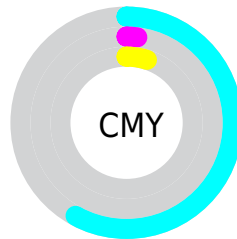
- Red (42%)
- Green (98%)
- Blue (95%)



- Red (42%)
- Yellow (71%)
- Blue (98%)



- Cyan (57%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)





- Cyan (58%)
- Magenta (2%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3503, 0.2445, 0.3372 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 77.3503, 0.2445, 0.3372 by changing the saturation by 10% instead.


 77.3503, 0.2445,
0.3372


 77.3503, 0.2445,
0.3372

485.9576, 0.2751,
0.3341


 57.5404, 0.2378,
0.3377

 129.6338, 0.2549,
0.3363

 41.4393, 0.2296,
0.3383


 162.8763, 0.2590,
0.3359

 28.6625, 0.2194,
0.3389


 201.3651, 0.2626,
0.3355

 18.8257, 0.2065,
0.3394

245.4846, 0.2657,
0.3352

 11.5444, 0.1896,
0.3397

295.6192, 0.2685,
0.3349

 6.4342, 0.1666,
0.3393

352.1533, 0.2709,

 3.1109, 0.1341,

0.3346

0.3369

415.4713, 0.2731,
0.3344

■ 1.1899, 0.0396,
0.3451

■ 0.0534, 0.0000,
0.0784

■ 77.3503, 0.2445,
0.3372

■ 77.3503, 0.2445,
0.3372

■ 75.9337, 0.2378,
0.3389

■ 79.2191, 0.2531,
0.3356

■ 74.9212, 0.2331,
0.3405


■ 81.5657, 0.2635,
0.3340


■ 74.2701, 0.2303,
0.3422

■ 84.4241, 0.2754,
0.3325


■ 73.9228, 0.2292,
0.3439

■ 87.8229, 0.2887,
0.3311


 73.8438, 0.2290,
0.3444

 91.7884, 0.3029,
0.3298

 95.8800, 0.3163,
0.3286

 95.9580, 0.3155,
0.3274

 96.0364, 0.3148,
0.3262

 96.1154, 0.3141,
0.3250

Harmonies

Analogous

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



77.3503, 0.2804, 0.3833



77.3503, 0.2445, 0.3372



77.3503, 0.2269, 0.2928

Triad

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



77.3503, 0.2445, 0.3372



77.3503, 0.2930, 0.2599



77.3503, 0.4014, 0.3890

Complementary

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



77.3503, 0.2445, 0.3372



32.1124, 0.4773, 0.3225

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.



77.3503, 0.4069, 0.3536



77.3503, 0.2445, 0.3372



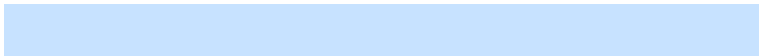
77.3503, 0.3415, 0.2824

Square

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



77.3503, 0.2445, 0.3372



77.3503, 0.2532, 0.2526



77.3503, 0.3845, 0.3156



77.3503, 0.3713, 0.4122

Rectangle

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



77.3503, 0.2445, 0.3372



77.3503, 0.2267, 0.2711



77.3503, 0.3845, 0.3156



77.3503, 0.4063, 0.3780

Sweetspot

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



77.3533, 0.2445, 0.3372



92.5466, 0.2881, 0.3311



72.4879, 0.3074, 0.5103



19.6452, 0.2853, 0.3314



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.



77.3533, 0.2445, 0.3372



79.9712, 0.2370, 0.3391



44.9662, 0.2241, 0.2472



19.5928, 0.2987, 0.3302



39.5325, 0.2289, 0.3441



3.6659, 0.2284, 0.3422

Inverse Universe

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



32.1124, 0.4773, 0.3225



27.9769, 0.5312, 0.3225



50.5281, 0.4411, 0.3950



17.2392, 0.3286, 0.3279



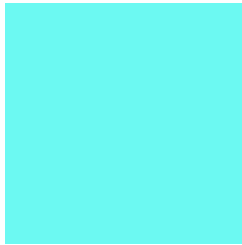
10.8011, 0.6350, 0.3272



1.0052, 0.6227, 0.3204

Previews

White Background



This preview shows how the Yxy color 77.3503, 0.2445, 0.3372 looks on a white background.

Color Contrast Check

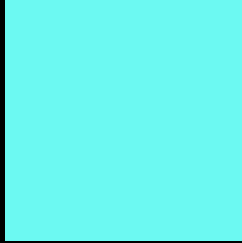
Large Text (above 18pt) WCAG AA × Fail

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 77.3503, 0.2445, 0.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

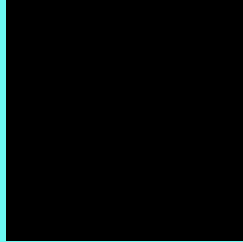
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

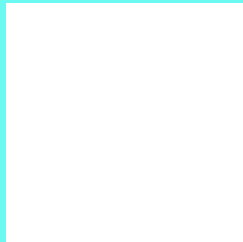
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3503, 0.2445, 0.3372

Background



This preview shows how black text looks on a background with the Yxy color 77.3503, 0.2445, 0.3372.

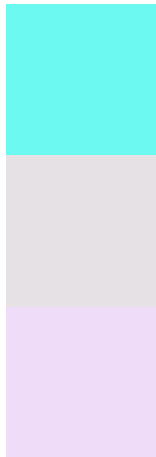


This preview shows how white text looks on a background with the Yxy color 77.3503, 0.2445, 0.3372.

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

77.3503, 0.2445, 0.3372

Protanopia

76.1099, 0.3136, 0.3258

Deuteranopia

76.1409, 0.3071, 0.3005



Tritanopia

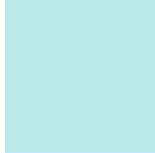
76.7083, 0.2567, 0.3119

Trichromacy



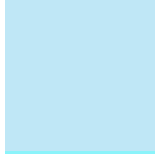
Original Color

77.3503, 0.2445, 0.3372



Protanomaly

75.0431, 0.2821, 0.3300



Deuteranomaly

74.8820, 0.2782, 0.3124



Tritanomaly

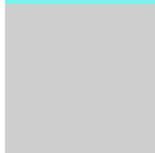
76.4923, 0.2514, 0.3207

Monochromacy



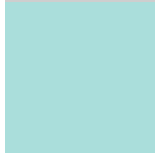
Original Color

77.3503, 0.2445, 0.3372



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

65.9031, 0.2799, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3503, 0.2445, 0.3372 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(108, 249, 242)` looks like.

```
.text, #text, p{  
    color:rgb(108, 249, 242)  
}
```

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(108, 249, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 249, 242) }
```

Border

The CSS property to change the border of an element to Yxy 77.3503, 0.2445, 0.3372 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(108, 249, 242) }
```

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

```
.border{ border-color:rgb(108, 249, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 249, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 249, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 249, 242);  
box-shadow:4px 4px 4px 4px rgb(108, 249,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3503, 0.2445, 0.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 249, 242) }
```

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

```
.background{ background-color: rgb(108,  
249, 242) }
```

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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