

Converting Colors

$Yxy(87.6330, 0.2470, 0.3931)$

Have a look what the booklet for
Yxy(87.6330, 0.2470, 0.3931)
contains.

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Color

Yxy(77.3662, 0.2425, 0.3757)

Conversions

Conversions Part 1

Format	Color
Hex	36FFDA
RGB	54, 255, 218
RGB Percent	21%, 100%, 85%
CMY	0.7880, 0.0000, 0.1451
CMYK	0.79, 0.00, 0.15, 0.00
HSL	169°, 100%, 61%
HSV	169°, 79%, 100%
XYZ	49.9369, 77.3662, 78.6223
YIQ	190.6830, -107.9190, -54.1190

Conversions

Conversions Part 2

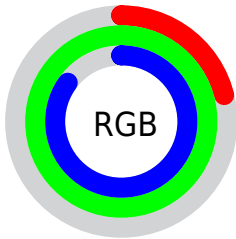
Format	Color
RYB	54, 165, 255
Decimal	3604442
CIELab	90.49, -55.55, 4.17
CIELCh	90, 55.707, 175.702
Yxy	77.3662, 0.2425, 0.3757
Android (android.graphics.Color)	4281794522 (0xFF36FFDA)
YUV	190.6830, 13.4673, -119.8710
Hunter-Lab	87.9581, -52.5858, 8.5736

Details

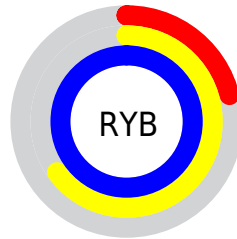
The Yxy color **77.3662, 0.2425, 0.3757** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.6608, 0.5458, 0.3028**, and the grayscale version is **51.8850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **42.5768, 0.2403, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **76.5939, 0.2412, 0.3824**, and if you desaturate by 10%, it is **78.5173, 0.2458, 0.3689**.

Distribution



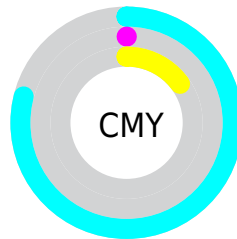
- Red (21%)
- Green (100%)
- Blue (85%)



- Red (21%)
- Yellow (65%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (79%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3662, 0.2425, 0.3757 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 77.3662, 0.2425, 0.3757 by changing the saturation by 10% instead.


 77.3662, 0.2425,
0.3757


 77.3662, 0.2425,
0.3757

486.0117, 0.2745,
0.3540

 57.5535, 0.2353,
0.3806


 129.6563, 0.2535,
0.3682


 41.4498, 0.2265,
0.3867

 162.9024, 0.2578,
0.3653

 28.6707, 0.2155,
0.3945


 201.3952, 0.2616,
0.3627

 18.8319, 0.2014,
0.4045

 245.5189, 0.2648,
0.3606

 11.5488, 0.1827,
0.4181

295.6580, 0.2677,
0.3586

 6.4373, 0.1570,
0.4374


352.1969, 0.2702,


 3.1127, 0.1199,


0.3569

0.4666


415.5200, 0.2725,
0.3554


 1.1909, 0.0000,
0.5504


 0.0542, 0.0000,
1.0000


 77.3662, 0.2425,
0.3757

 77.3662, 0.2425,
0.3757


 76.5939, 0.2412,
0.3824


 78.5173, 0.2458,
0.3689

 76.1232, 0.2415,
0.3891


 80.0943, 0.2511,
0.3623


 76.0756, 0.2416,
0.3899

 82.1412, 0.2583,
0.3558

 84.6956, 0.2672,
0.3495

 87.7912, 0.2775,
0.3436

 91.4588, 0.2890,
0.3381

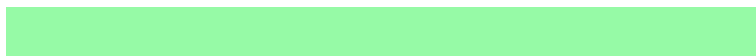
 95.7269, 0.3014,
0.3331

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



77.3662, 0.2993, 0.4324



77.3662, 0.2425, 0.3757



77.3662, 0.2067, 0.3078

Triad

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



77.3662, 0.2425, 0.3757



77.3662, 0.2544, 0.2295



77.3662, 0.4429, 0.3821

Complementary

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



77.3662, 0.2425, 0.3757



24.6608, 0.5458, 0.3028

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.



77.3662, 0.4310, 0.3321



77.3662, 0.2425, 0.3757



77.3662, 0.3154, 0.2491

Square

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



77.3662, 0.2425, 0.3757



77.3662, 0.2135, 0.2309



77.3662, 0.3822, 0.2854



77.3662, 0.4163, 0.4263

Rectangle

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



77.3662, 0.2425, 0.3757



77.3662, 0.1974, 0.2709



77.3662, 0.3822, 0.2854



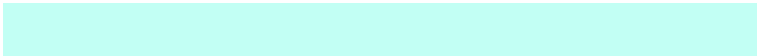
77.3662, 0.4435, 0.3656

Sweetspot

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



77.3674, 0.2425, 0.3757



89.4780, 0.2829, 0.3409



74.1799, 0.3137, 0.5667



18.8812, 0.2789, 0.3429



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.



77.3674, 0.2425, 0.3757



76.2758, 0.2413, 0.3866



46.9104, 0.2081, 0.2501



20.4207, 0.3005, 0.3334



39.7718, 0.2413, 0.3888



3.8867, 0.2392, 0.3811

Inverse Universe

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



24.6608, 0.5458, 0.3028



21.8406, 0.6028, 0.3125



33.6394, 0.5385, 0.3777



18.0417, 0.3265, 0.3246



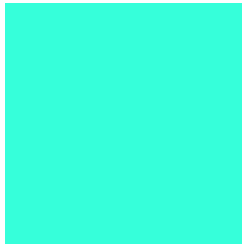
11.2315, 0.6120, 0.3145



1.1075, 0.5830, 0.2985

Previews

White Background



This preview shows how the Yxy color 77.3662, 0.2425, 0.3757 looks on a white background.

Color Contrast Check

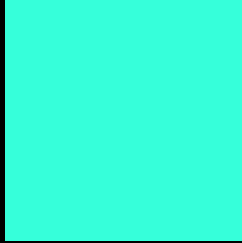
Large Text (above 18pt) WCAG AA × Fail

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 77.3662, 0.2425, 0.3757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

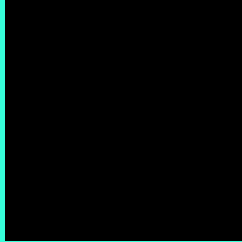
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.3662, 0.2425, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 77.3662, 0.2425, 0.3757.

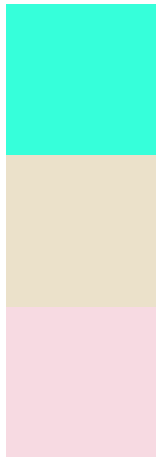


This preview shows how white text looks on a background with the Yxy color 77.3662, 0.2425, 0.3757.

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

77.3662, 0.2425, 0.3757

Protanopia

75.7769, 0.3352, 0.3535

Deuteranopia

75.4080, 0.3283, 0.3209



Tritanopia

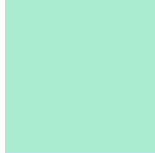
76.7099, 0.2540, 0.3130

Trichromacy



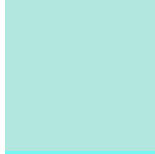
Original Color

77.3662, 0.2425, 0.3757



Protanomaly

72.9800, 0.2866, 0.3623



Deuteranomaly

71.8267, 0.2827, 0.3382



Tritanomaly

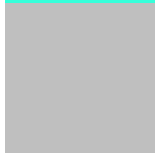
76.0353, 0.2465, 0.3336

Monochromacy



Original Color

77.3662, 0.2425, 0.3757



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

57.9729, 0.2719, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3662, 0.2425, 0.3757 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(54, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(54, 255, 218)  
}
```

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(54, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 77.3662, 0.2425, 0.3757 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(54, 255, 218) }
```

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

```
.border{ border-color:rgb(54, 255, 218) }
```

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

Here you see how a box with a 4 pixel rgb(54, 255, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(54, 255,  
218) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.3662, 0.2425, 0.3757$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 255, 218) }
```

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

```
.background{ background-color: rgb(54, 255,  
218) }
```

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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