

Converting Colors

$Y_{xy}(79.2204, 0.2253, 0.2635)$

Have a look what the booklet for
Yxy(79.2204, 0.2253, 0.2635)
contains.

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Color

Yxy(75.8332, 0.2444, 0.3149)

Conversions

Conversions Part 1

Format	Color
Hex	7FF3FF
RGB	127, 243, 255
RGB Percent	50%, 95%, 100%
CMY	0.5018, 0.0471, 0.0001
CMYK	0.50, 0.05, 0.00, 0.00
HSL	186°, 100%, 75%
HSV	186°, 50%, 100%
XYZ	58.8556, 75.8332, 106.1279
YIQ	209.6840, -72.9880, -20.8600

Conversions

Conversions Part 2

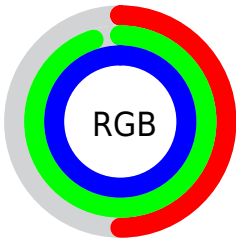
Format	Color
RYB	127, 188, 255
Decimal	8385535
CIELab	89.78, -29.78, -15.92
CIElCh	90, 33.769, 208.121
Yxy	75.8332, 0.2444, 0.3149
Android (android.graphics.Color)	4286575615 (0xFF7FF3FF)
YUV	209.6840, 22.3408, -72.5139
Hunter-Lab	87.0823, -31.7525, -11.2997

Details

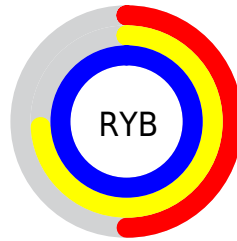
The Yxy color **75.8332, 0.2444, 0.3149** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.2657, 0.4497, 0.3417**, and the grayscale version is **64.1263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **40.2192, 0.2295, 0.3104** is the 20% darker color. If you saturate the color by 10%, you get **72.6985, 0.2350, 0.3117**, and if you desaturate by 10%, it is **79.4876, 0.2556, 0.3180**.

Distribution



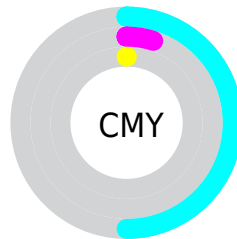
- Red (50%)
- Green (95%)
- Blue (100%)



- Red (50%)
- Yellow (74%)
- Blue (100%)



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8332, 0.2444, 0.3149 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 75.8332, 0.2444, 0.3149 by changing the saturation by 10% instead.


 75.8332, 0.2444,
0.3149


 75.8332, 0.2444,
0.3149


480.7765, 0.2750,
0.3222


 56.2957, 0.2377,
0.3131


 127.4911, 0.2548,
0.3176

 40.4401, 0.2296,
0.3107


 160.3803, 0.2589,
0.3186

 27.8818, 0.2195,
0.3076


 198.4889, 0.2624,
0.3194

 18.2366, 0.2067,
0.3034

242.2013, 0.2656,
0.3201

 11.1200, 0.1901,
0.2974

291.9019, 0.2683,
0.3208

 6.1476, 0.1676,
0.2881

347.9750, 0.2708,

 2.9350, 0.1362,

0.3213

0.2727

410.8051, 0.2730,
0.3218

■ 1.0979, 0.0688,
0.2498

■ 0.0000, 0.0000,
0.0000

■ 75.8332, 0.2444,
0.3149

■ 75.8332, 0.2444,
0.3149

■ 72.6985, 0.2350,
0.3117

■ 79.4876, 0.2556,
0.3180

■ 70.0368, 0.2275,
0.3084

■ 83.6873, 0.2682,
0.3211

■ 67.8070, 0.2220,
0.3051

■ 88.4663, 0.2821,
0.3239

■ 65.9572, 0.2184,
0.3019

■ 93.8535, 0.2970,
0.3265

■ 64.4263, 0.2163,
0.2988

99.8755, 0.3124,
0.3290

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



75.8332, 0.2672, 0.3541



75.8332, 0.2444, 0.3149



75.8332, 0.2388, 0.2832

Triad

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



75.8332, 0.2444, 0.3149



75.8332, 0.3186, 0.2792



75.8332, 0.3759, 0.3927

Complementary

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



75.8332, 0.2444, 0.3149



41.2657, 0.4497, 0.3417

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.



75.8332, 0.3923, 0.3679



75.8332, 0.2444, 0.3149



75.8332, 0.3583, 0.3043

Square

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



75.8332, 0.2444, 0.3149



75.8332, 0.2796, 0.2654



75.8332, 0.3860, 0.3359



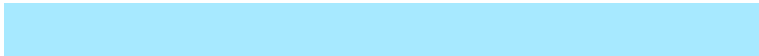
75.8332, 0.3428, 0.4013

Rectangle

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



75.8332, 0.2444, 0.3149



75.8332, 0.2452, 0.2701



75.8332, 0.3860, 0.3359



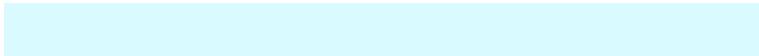
75.8332, 0.3837, 0.3858

Sweetspot

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



75.8361, 0.2444, 0.3149



91.1887, 0.2897, 0.3253



77.8522, 0.3005, 0.4767



19.2775, 0.2866, 0.3247



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.



75.8361, 0.2444, 0.3149



72.7592, 0.2352, 0.3117



44.5213, 0.2290, 0.2360



20.1733, 0.2980, 0.3267



33.7885, 0.2165, 0.2993



3.3711, 0.2175, 0.3029

Inverse Universe

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



42.9198, 0.3290, 0.2172



37.0938, 0.3328, 0.1997



64.8808, 0.4129, 0.4052



18.2693, 0.3152, 0.3077



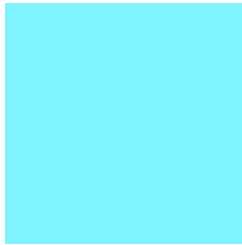
14.1389, 0.3460, 0.1680



1.3849, 0.3428, 0.1662

Previews

White Background



This preview shows how the Yxy color 75.8332, 0.2444, 0.3149 looks on a white background.

Color Contrast Check

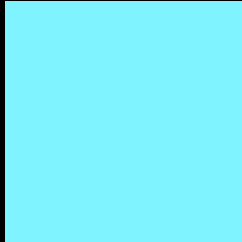
Large Text (above 18pt) WCAG AA × Fail

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 75.8332, 0.2444, 0.3149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

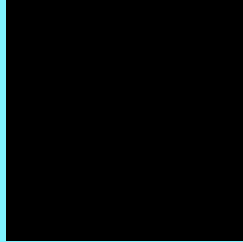
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.8332, 0.2444, 0.3149

Background



This preview shows how black text looks on a background with the Yxy color 75.8332, 0.2444, 0.3149.

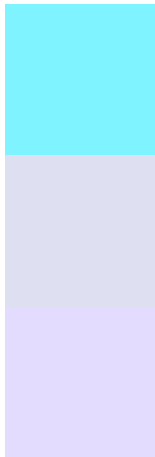


This preview shows how white text looks on a background with the Yxy color 75.8332, 0.2444, 0.3149.

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

75.8332, 0.2444, 0.3149

Protanopia

74.8741, 0.3006, 0.3090

Deuteranopia

74.9004, 0.2959, 0.2930



Tritanopia

75.7253, 0.2546, 0.3107

Trichromacy



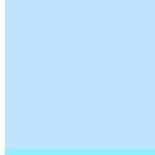
Original Color

75.8332, 0.2444, 0.3149



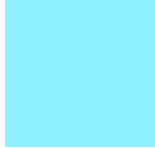
Protanomaly

74.0004, 0.2758, 0.3101



Deuteranomaly

73.7832, 0.2731, 0.2995



Tritanomaly

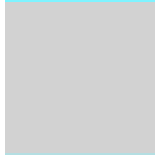
75.4695, 0.2507, 0.3117

Monochromacy



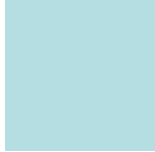
Original Color

75.8332, 0.2444, 0.3149



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.4368, 0.2821, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8332, 0.2444, 0.3149 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(127, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 243, 255)  
}
```

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(127, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.8332, 0.2444, 0.3149 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(127, 243, 255) }
```

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

```
.border{ border-color:rgb(127, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8332, 0.2444, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 243, 255) }
```

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

```
.background{ background-color: rgb(127,  
243, 255) }
```

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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