

Converting Colors

$Yxy(67.5383, 0.2448, 0.3152)$

Have a look what the booklet for
Yxy(67.5383, 0.2448, 0.3152)
contains.

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Color

Yxy(67.6276, 0.2448, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	79E7F2
RGB	121, 231, 242
RGB Percent	47%, 91%, 95%
CMY	0.5255, 0.0941, 0.0509
CMYK	0.50, 0.05, 0.00, 0.05
HSL	185°, 82%, 71%
HSV	185°, 50%, 95%
XYZ	52.4897, 67.6276, 94.3013
YIQ	199.3640, -69.0910, -19.8990

Conversions

Conversions Part 2

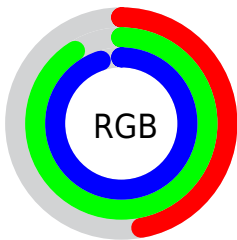
Format	Color
R_{YB}	121, 179, 242
Decimal	7989234
CIE _{Lab}	85.82, -28.66, -15.09
CIE _{LCh}	86, 32.390, 207.766
Y _{xy}	67.6276, 0.2448, 0.3154
Android (android.graphics.Color)	4286179314 (0xFF79E7F2)
YUV	199.3640, 21.0195, -68.7252
Hunter-Lab	82.2360, -29.9799, -10.4235

Details

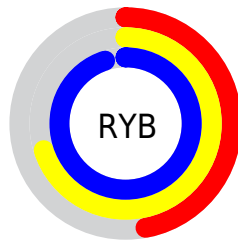
The Yxy color **67.6276, 0.2448, 0.3154** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.7677, 0.4486, 0.3413**, and the grayscale version is **57.2508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **35.0750, 0.2294, 0.3109** is the 20% darker color. If you saturate the color by 10%, you get **64.8703, 0.2354, 0.3123**, and if you desaturate by 10%, it is **70.8441, 0.2559, 0.3184**.

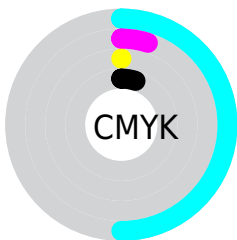
Distribution



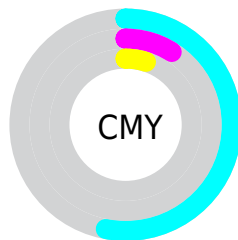
- Red (47%)
- Green (91%)
- Blue (95%)



- Red (47%)
- Yellow (70%)
- Blue (95%)



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




- Cyan (53%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6276, 0.2448, 0.3154 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 67.6276, 0.2448, 0.3154 by changing the saturation by 10% instead.


 67.6276, 0.2448,
0.3154


 67.6276, 0.2448,
0.3154

452.1755, 0.2758,
0.3226


 49.5948, 0.2378,
0.3135


 115.8192, 0.2555,
0.3181

 35.0916, 0.2293,
0.3111


 146.7469, 0.2596,
0.3191

 23.7334, 0.2187,
0.3079

 182.7416, 0.2633,
0.3199

 15.1360, 0.2050,
0.3035

224.1879, 0.2664,
0.3206

 8.9149, 0.1869,
0.2969

271.4700, 0.2692,
0.3212

 4.6857, 0.1620,
0.2865

324.9723, 0.2717,

 2.0641, 0.1262,

0.3217

0.2683

385.0794, 0.2739,
0.3222

0.6443, 0.0000,
0.2443

0.0000, 0.0000,
0.0000

67.6276, 0.2448,
0.3154

67.6276, 0.2448,
0.3154

64.8703, 0.2354,
0.3123

70.8441, 0.2559,
0.3184

62.5310, 0.2279,
0.3091


74.5420, 0.2686,
0.3213


60.5739, 0.2224,
0.3059

78.7513, 0.2825,
0.3241


58.9535, 0.2187,
0.3028


83.4974, 0.2973,
0.3267


 57.5932, 0.2166,
0.2997

 88.8038, 0.3127,
0.3290

 92.5033, 0.3211,
0.3312

 93.8382, 0.3209,
0.3333

 95.1890, 0.3207,
0.3354

 96.5557, 0.3206,
0.3375

Harmonies

Analogous

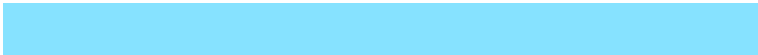
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.6276, 0.2678, 0.3545



67.6276, 0.2448, 0.3154



67.6276, 0.2390, 0.2837

Triad

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



67.6276, 0.2448, 0.3154



67.6276, 0.3181, 0.2791



67.6276, 0.3760, 0.3922

Complementary

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



67.6276, 0.2448, 0.3154



36.7677, 0.4486, 0.3413

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.



67.6276, 0.3921, 0.3674



67.6276, 0.2448, 0.3154



67.6276, 0.3577, 0.3040

Square

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



67.6276, 0.2448, 0.3154



67.6276, 0.2793, 0.2655



67.6276, 0.3855, 0.3355



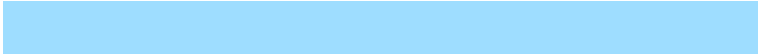
67.6276, 0.3432, 0.4010

Rectangle

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



67.6276, 0.2448, 0.3154



67.6276, 0.2452, 0.2705



67.6276, 0.3855, 0.3355



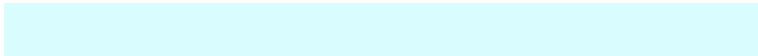
67.6276, 0.3837, 0.3853

Sweetspot

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



67.6302, 0.2448, 0.3154



91.2527, 0.2897, 0.3254



69.2192, 0.3006, 0.4757



19.2931, 0.2866, 0.3248



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.



67.6302, 0.2448, 0.3154



73.0010, 0.2353, 0.3122



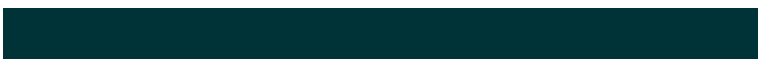
39.7641, 0.2295, 0.2367



17.6686, 0.2981, 0.3268



31.0419, 0.2167, 0.3002



2.6537, 0.2179, 0.3043

Inverse Universe

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



38.3256, 0.3286, 0.2176



37.1182, 0.3324, 0.1994



57.7816, 0.4121, 0.4047



16.0052, 0.3152, 0.3078



12.9271, 0.3452, 0.1675



1.0826, 0.3416, 0.1656

Previews

White Background



This preview shows how the Yxy color 67.6276, 0.2448, 0.3154 looks on a white background.

Color Contrast Check

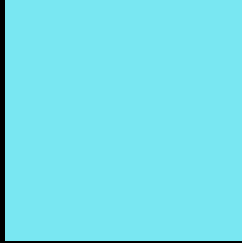
Large Text (above 18pt) WCAG AA × Fail

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 67.6276, 0.2448, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

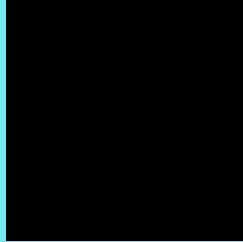
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.6276, 0.2448, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 67.6276, 0.2448, 0.3154.

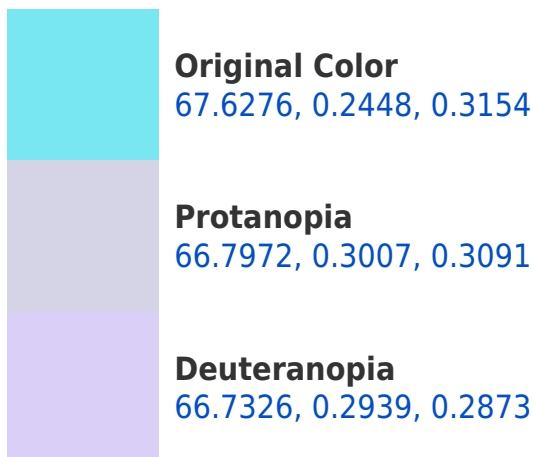


This preview shows how white text looks on a background with the Yxy color 67.6276, 0.2448, 0.3154.

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





Tritanopia

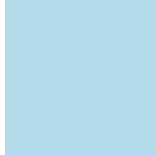
67.6441, 0.2423, 0.3060

Trichromacy



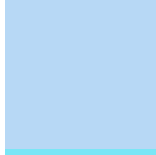
Original Color

67.6276, 0.2448, 0.3154



Protanomaly

66.1873, 0.2766, 0.3115



Deuteranomaly

65.7716, 0.2725, 0.2960



Tritanomaly

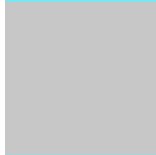
67.3850, 0.2432, 0.3095

Monochromacy



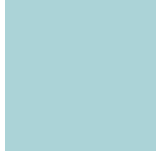
Original Color

67.6276, 0.2448, 0.3154



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

60.1528, 0.2820, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6276, 0.2448, 0.3154 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(121, 231, 242)` looks like.

```
.text, #text, p{  
    color:rgb(121, 231, 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(121, 231, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 231, 242) }
```

Border

The CSS property to change the border of an element to Yxy 67.6276, 0.2448, 0.3154 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(121, 231, 242) }
```

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

```
.border{ border-color:rgb(121, 231, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 231, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 231, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 231, 242);  
box-shadow:4px 4px 4px 4px rgb(121, 231,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6276, 0.2448, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 231, 242) }
```

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

```
.background{ background-color: rgb(121,  
231, 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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