

Converting Colors

$Yxy(66.1437, 0.2469, 0.3293)$

Have a look what the booklet for
Yxy(66.1437, 0.2469, 0.3293)
contains.

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Color

Yxy(66.3757, 0.2470, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	71E7E6
RGB	113, 231, 230
RGB Percent	44%, 91%, 90%
CMY	0.5568, 0.0941, 0.0981
CMYK	0.51, 0.00, 0.00, 0.09
HSL	179°, 71%, 67%
HSV	179°, 51%, 91%
XYZ	49.6662, 66.3757, 85.0357
YIQ	195.6040, -70.0070, -25.3270

Conversions

Conversions Part 2

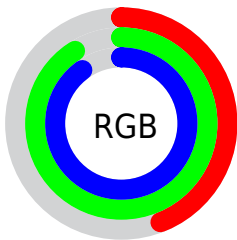
Format	Color
RYB	113, 172, 231
Decimal	7464934
CIELab	85.19, -33.43, -9.72
CIElCh	85, 34.811, 196.212
Yxy	66.3757, 0.2470, 0.3301
Android (android.graphics.Color)	4285655014 (0xFF71E7E6)
YUV	195.6040, 16.9572, -72.4437
Hunter-Lab	81.4713, -33.7584, -4.8541

Details

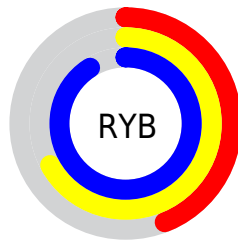
The Yxy color **66.3757, 0.2470, 0.3301** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **30.0185, 0.4583, 0.3283**, and the grayscale version is **54.8824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **34.3130, 0.2314, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **65.0246, 0.2390, 0.3304**, and if you desaturate by 10%, it is **68.1218, 0.2569, 0.3299**.

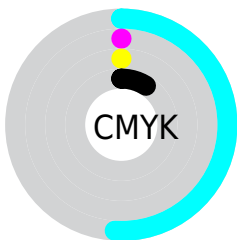
Distribution



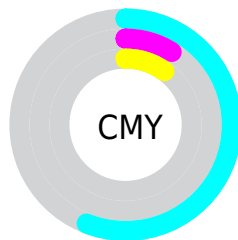
- Red (44%)
- Green (91%)
- Blue (90%)



- Red (44%)
- Yellow (67%)
- Blue (91%)



- Cyan (51%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)




- Cyan (56%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3757, 0.2470, 0.3301 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 66.3757, 0.2470, 0.3301 by changing the saturation by 10% instead.


 66.3757, 0.2470,
0.3301


 66.3757, 0.2470,
0.3301


447.7193, 0.2773,
0.3303

 48.5775, 0.2401,
0.3299

 114.0254, 0.2575,
0.3303

 34.2844, 0.2317,
0.3295


 144.6456, 0.2615,
0.3304

 23.1122, 0.2211,
0.3288


 180.3086, 0.2651,
0.3304

 14.6764, 0.2074,
0.3277

221.3988, 0.2681,
0.3304

 8.5926, 0.1891,
0.3257

268.3006, 0.2708,
0.3304

 4.4764, 0.1635,
0.3217

321.3984, 0.2732,

 1.9435, 0.1260,

0.3304

381.0765, 0.2754,
0.3303

0.3130

0.5743, 0.0000,
0.2990

0.0000, 0.0000,
0.0000

66.3757, 0.2470,
0.3301

66.3757, 0.2470,
0.3301

65.0246, 0.2390,
0.3304

68.1218, 0.2569,
0.3299

64.0307, 0.2329,
0.3306


70.2822, 0.2685,
0.3296


63.3618, 0.2287,
0.3309

72.8842, 0.2816,
0.3294


62.9767, 0.2264,
0.3312


75.9504, 0.2959,
0.3292


 62.8114, 0.2254,
0.3314

 79.5020, 0.3110,
0.3290

 83.5588, 0.3268,
0.3289

 84.2067, 0.3290,
0.3287

 84.2182, 0.3289,
0.3285

 84.2297, 0.3288,
0.3283

Harmonies

Analogous

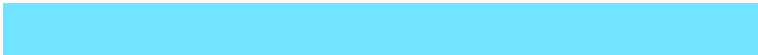
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.3757, 0.2777, 0.3722



66.3757, 0.2470, 0.3301



66.3757, 0.2336, 0.2914

Triad

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



66.3757, 0.2470, 0.3301



66.3757, 0.3015, 0.2681



66.3757, 0.3904, 0.3882

Complementary

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



66.3757, 0.2470, 0.3301



30.0185, 0.4583, 0.3283

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.



66.3757, 0.3989, 0.3572



66.3757, 0.2470, 0.3301



66.3757, 0.3456, 0.2906

Square

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



66.3757, 0.2470, 0.3301



66.3757, 0.2632, 0.2592



66.3757, 0.3823, 0.3223



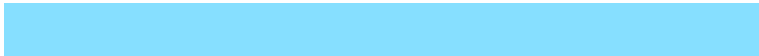
66.3757, 0.3606, 0.4059

Rectangle

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



66.3757, 0.2470, 0.3301



66.3757, 0.2353, 0.2730



66.3757, 0.3823, 0.3223



66.3757, 0.3959, 0.3788

Sweetspot

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



66.3783, 0.2470, 0.3301



93.4319, 0.2900, 0.3293



61.9910, 0.3061, 0.4913



19.8244, 0.2870, 0.3293



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.



66.3783, 0.2470, 0.3301



81.3306, 0.2388, 0.3304



39.5438, 0.2313, 0.2515



16.3341, 0.2983, 0.3292



35.2119, 0.2254, 0.3314



2.6027, 0.2253, 0.3310

Inverse Universe

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



30.0185, 0.4583, 0.3283



31.2051, 0.5059, 0.3283



46.9476, 0.4218, 0.3935



14.3700, 0.3291, 0.3288



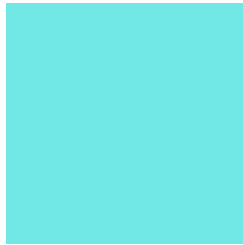
9.5277, 0.6391, 0.3294



0.7048, 0.6364, 0.3279

Previews

White Background



This preview shows how the Yxy color 66.3757, 0.2470, 0.3301 looks on a white background.

Color Contrast Check

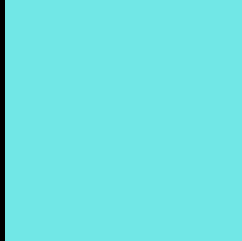
Large Text (above 18pt) WCAG AA × Fail

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 66.3757, 0.2470, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

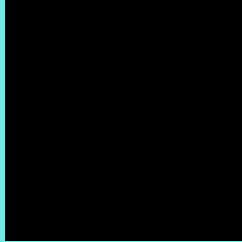
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.3757, 0.2470, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 66.3757, 0.2470, 0.3301.



This preview shows how white text looks on a background with the Yxy color 66.3757, 0.2470, 0.3301.

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

66.3757, 0.2470, 0.3301

Protanopia

65.2491, 0.3101, 0.3211

Deuteranopia

65.5129, 0.3039, 0.2976



Tritanopia

66.1241, 0.2411, 0.3057

Trichromacy



Original Color

66.3757, 0.2470, 0.3301



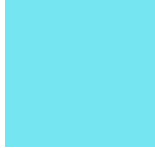
Protanomaly

64.7638, 0.2822, 0.3242



Deuteranomaly

64.4292, 0.2787, 0.3080



Tritanomaly

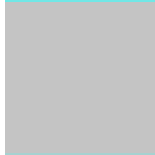
66.1714, 0.2432, 0.3141

Monochromacy



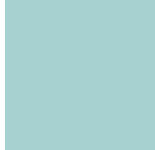
Original Color

66.3757, 0.2470, 0.3301



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.2620, 0.2828, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3757, 0.2470, 0.3301 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(113, 231, 230)` looks like.

```
.text, #text, p{  
    color:rgb(113, 231, 230)  
}
```

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(113, 231, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 231, 230) }
```

Border

The CSS property to change the border of an element to Yxy 66.3757, 0.2470, 0.3301 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(113, 231, 230) }
```

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

```
.border{ border-color:rgb(113, 231, 230) }
```

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

Here you see how a box with a 4 pixel rgb(113, 231, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 231, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 231, 230);  
box-shadow:4px 4px 4px 4px rgb(113, 231,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3757, 0.2470, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 231, 230) }
```

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

```
.background{ background-color: rgb(113,  
231, 230) }
```

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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