

Converting Colors

$Yxy(70.1392, 0.2465, 0.3488)$

Have a look what the booklet for
Yxy(70.1392, 0.2465, 0.3488)
contains.

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Color

Yxy(70.2987, 0.2465, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	62F0E0
RGB	98, 240, 224
RGB Percent	38%, 94%, 88%
CMY	0.6157, 0.0588, 0.1215
CMYK	0.59, 0.00, 0.07, 0.06
HSL	173°, 83%, 66%
HSV	173°, 59%, 94%
XYZ	49.6522, 70.2987, 81.4780
YIQ	195.7180, -79.4960, -35.0800

Conversions

Conversions Part 2

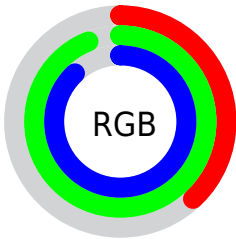
Format	Color
R_{YB}	98, 173, 240
Decimal	6484192
CIE _{Lab}	87.14, -41.89, -3.74
CIE _{LCh}	87, 42.060, 185.105
Yxy	70.2987, 0.2465, 0.3490
Android (android.graphics.Color)	4284674272 (0xFF62F0E0)
YUV	195.7180, 13.9430, -85.6987
Hunter-Lab	83.8443, -41.0207, 1.0743

Details

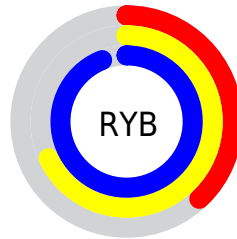
The Yxy color **70.2987, 0.2465, 0.3490** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **28.4769, 0.4765, 0.3131**, and the grayscale version is **54.9770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **36.7315, 0.2313, 0.3526** is the 20% darker color. If you saturate the color by 10%, you get **69.0150, 0.2407, 0.3529**, and if you desaturate by 10%, it is **71.9903, 0.2542, 0.3452**.

Distribution



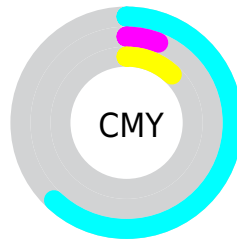
- Red (38%)
- Green (94%)
- Blue (88%)



- Red (38%)
- Yellow (68%)
- Blue (94%)



- Cyan (59%)
- Magenta (0%)
- Yellow (7%)
- Black (6%)



- Cyan (62%)
- Magenta (6%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2987, 0.2465, 0.3490 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 70.2987, 0.2465, 0.3490 by changing the saturation by 10% instead.


 70.2987, 0.2465,
0.3490

 70.2987, 0.2465,
0.3490


461.5981, 0.2769,
0.3401

 51.7701, 0.2396,
0.3509


 119.6346, 0.2570,
0.3460

 36.8218, 0.2312,
0.3532


 151.2107, 0.2611,
0.3448

 25.0696, 0.2207,
0.3561


 187.9048, 0.2646,
0.3438

 16.1289, 0.2070,
0.3596

230.1012, 0.2677,
0.3429

 9.6154, 0.1888,
0.3641

278.1843, 0.2704,
0.3421

 5.1447, 0.1635,
0.3699

332.5386, 0.2728,

 2.3324, 0.1263,

0.3414

0.3771

393.5484, 0.2750,
0.3407

0.7908, 0.0000,
0.4114

0.0000, 0.0000,
0.0000

70.2987, 0.2465,
0.3490

70.2987, 0.2465,
0.3490

69.0150, 0.2407,
0.3529

71.9903, 0.2542,
0.3452

68.0940, 0.2369,
0.3569

74.1140, 0.2636,
0.3415

67.4945, 0.2350,
0.3608


76.7018, 0.2746,
0.3379


67.1492, 0.2347,
0.3647


79.7802, 0.2868,
0.3346

 67.1248, 0.2347,
0.3650

 83.3738, 0.3000,
0.3316

 87.5055, 0.3139,
0.3288

 90.0492, 0.3208,
0.3262

 90.2137, 0.3191,
0.3236

 90.3806, 0.3175,
0.3210

Harmonies

Analogous

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



70.2987, 0.2880, 0.3967



70.2987, 0.2465, 0.3490



70.2987, 0.2233, 0.2992

Triad

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



70.2987, 0.2465, 0.3490



70.2987, 0.2810, 0.2522



70.2987, 0.4116, 0.3852

Complementary

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



70.2987, 0.2465, 0.3490



28.4769, 0.4765, 0.3131

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.



70.2987, 0.4112, 0.3459



70.2987, 0.2465, 0.3490



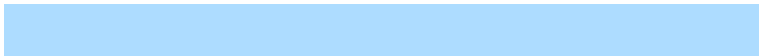
70.2987, 0.3321, 0.2729

Square

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



70.2987, 0.2465, 0.3490



70.2987, 0.2419, 0.2482



70.2987, 0.3812, 0.3061



70.2987, 0.3840, 0.4144

Rectangle

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



70.2987, 0.2465, 0.3490



70.2987, 0.2199, 0.2734



70.2987, 0.3812, 0.3061



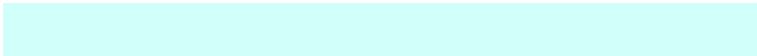
70.2987, 0.4149, 0.3727

Sweetspot

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



70.3014, 0.2465, 0.3490



91.9814, 0.2882, 0.3343



66.8199, 0.3118, 0.5159



19.4502, 0.2845, 0.3352



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.



70.3014, 0.2465, 0.3490



78.9493, 0.2398, 0.3537



43.8254, 0.2237, 0.2564



17.8965, 0.2996, 0.3317



36.7565, 0.2346, 0.3644



3.0665, 0.2331, 0.3592

Inverse Universe

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



28.4769, 0.4765, 0.3131



26.9652, 0.5307, 0.3130



42.0064, 0.4556, 0.3871



15.7878, 0.3276, 0.3264



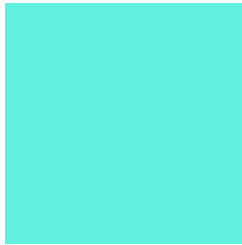
10.1940, 0.6264, 0.3224



0.8575, 0.5995, 0.3076

Previews

White Background



This preview shows how the Yxy color 70.2987, 0.2465, 0.3490 looks on a white background.

Color Contrast Check

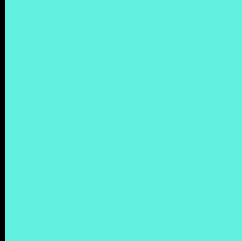
Large Text (above 18pt) WCAG AA × Fail

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 70.2987, 0.2465, 0.3490 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 70.2987, 0.2465, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 70.2987, 0.2465, 0.3490.

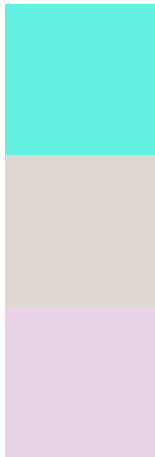


This preview shows how white text looks on a background with the Yxy color 70.2987, 0.2465, 0.3490.

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

70.2987, 0.2465, 0.3490

Protanopia

69.2945, 0.3212, 0.3356

Deuteranopia

68.7953, 0.3144, 0.3078



Tritanopia

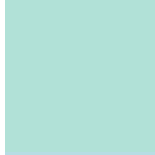
69.9517, 0.2362, 0.3049

Trichromacy



Original Color

70.2987, 0.2465, 0.3490



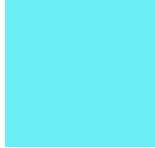
Protanomaly

68.1038, 0.2868, 0.3408



Deuteranomaly

67.3816, 0.2827, 0.3208



Tritanomaly

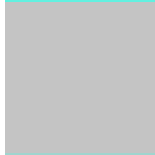
70.1642, 0.2399, 0.3203

Monochromacy



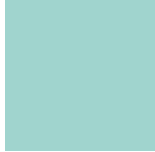
Original Color

70.2987, 0.2465, 0.3490



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

59.0168, 0.2804, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2987, 0.2465, 0.3490 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(98, 240, 224)` looks like.

```
.text, #text, p{  
    color:rgb(98, 240, 224)  
}
```

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(98, 240, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 240, 224) }
```

Border

The CSS property to change the border of an element to Yxy 70.2987, 0.2465, 0.3490 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(98, 240, 224) }
```

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

```
.border{ border-color:rgb(98, 240, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 240, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 240, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 240, 224);  
box-shadow:4px 4px 4px 4px rgb(98, 240,  
224) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.2987, 0.2465, 0.3490$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 240, 224) }
```

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

```
.background{ background-color: rgb(98, 240,  
224) }
```

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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