

Converting Colors

$Yxy(69.1699, 0.2447, 0.3149)$

Have a look what the booklet for
Yxy(69.1699, 0.2447, 0.3149)
contains.

Yxy(69.0080, 0.2444, 0.3143)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.0080, 0.2444, 0.3143)

Conversions

Conversions Part 1

Format	Color
Hex	7AE9F5
RGB	122, 233, 245
RGB Percent	48%, 91%, 96%
CMY	0.5211, 0.0863, 0.0391
CMYK	0.50, 0.05, 0.00, 0.04
HSL	186°, 86%, 72%
HSV	186°, 50%, 96%
XYZ	53.6607, 69.0080, 96.8922
YIQ	201.1790, -70.0080, -19.8000

Conversions

Conversions Part 2

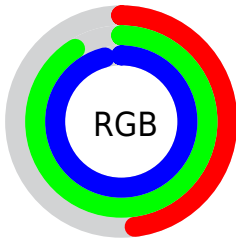
Format	Color
R _Y B	122, 180, 245
Decimal	8055285
CIE Lab	86.51, -28.60, -15.63
CIE LCh	87, 32.592, 208.663
Yxy	69.0080, 0.2444, 0.3143
Android (android.graphics.Color)	4286245365 (0xFF7AE9F5)
YUV	201.1790, 21.6038, -69.4400
Hunter-Lab	83.0711, -30.0702, -11.0048

Details

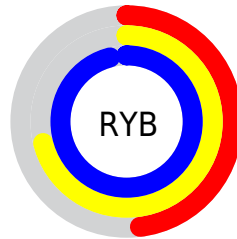
The Yxy color **69.0080, 0.2444, 0.3143** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **37.9167, 0.4488, 0.3422**, and the grayscale version is **58.4409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **35.9883, 0.2287, 0.3095** is the 20% darker color. If you saturate the color by 10%, you get **66.0908, 0.2350, 0.3109**, and if you desaturate by 10%, it is **72.3999, 0.2556, 0.3176**.

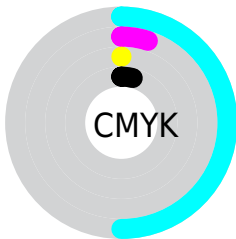
Distribution



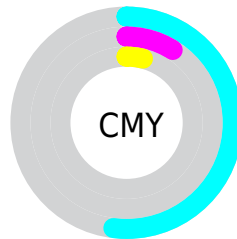
- Red (48%)
- Green (91%)
- Blue (96%)



- Red (48%)
- Yellow (71%)
- Blue (96%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (4%)




- Cyan (52%)
- Magenta (9%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0080, 0.2444, 0.3143 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 69.0080, 0.2444, 0.3143 by changing the saturation by 10% instead.


 69.0080, 0.2444,
0.3143


 69.0080, 0.2444,
0.3143


457.0592, 0.2755,
0.3220

 50.7182, 0.2375,
0.3123


 117.7930, 0.2551,
0.3171

 35.9844, 0.2290,
0.3098


 149.0570, 0.2592,
0.3182

 24.4222, 0.2184,
0.3064


 185.4146, 0.2629,
0.3191

 15.6471, 0.2049,
0.3018

227.2501, 0.2660,
0.3198

 9.2748, 0.1870,
0.2950

274.9479, 0.2688,
0.3205

 4.9208, 0.1625,
0.2844

328.8924, 0.2713,

 2.2009, 0.1276,

0.3211

0.2662

389.4680, 0.2735,
0.3216

0.7205, 0.0000,
0.2470

0.0000, 0.0000,
0.0000

69.0080, 0.2444,
0.3143

69.0080, 0.2444,
0.3143

66.0908, 0.2350,
0.3109

72.3999, 0.2556,
0.3176

63.6058, 0.2274,
0.3075


76.2895, 0.2683,
0.3207

61.5160, 0.2218,
0.3041

80.7079, 0.2822,
0.3237

59.7742, 0.2181,
0.3007

85.6811, 0.2970,
0.3264


 58.3229, 0.2160,
0.2974

 91.2334, 0.3125,
0.3290

 94.6081, 0.3190,
0.3313

 96.0878, 0.3189,
0.3336

 97.5865, 0.3187,
0.3359

 99.1041, 0.3185,
0.3382

Harmonies

Analogous

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



69.0080, 0.2669, 0.3533



69.0080, 0.2444, 0.3143



69.0080, 0.2392, 0.2830

Triad

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



69.0080, 0.2444, 0.3143



69.0080, 0.3194, 0.2797



69.0080, 0.3752, 0.3927

Complementary

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



69.0080, 0.2444, 0.3143



37.9167, 0.4488, 0.3422

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.



69.0080, 0.3919, 0.3683



69.0080, 0.2444, 0.3143



69.0080, 0.3588, 0.3049

Square

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



69.0080, 0.2444, 0.3143



69.0080, 0.2804, 0.2658



69.0080, 0.3860, 0.3365



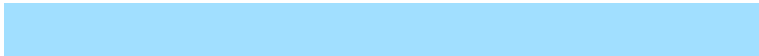
69.0080, 0.3420, 0.4009

Rectangle

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



69.0080, 0.2444, 0.3143



69.0080, 0.2457, 0.2701



69.0080, 0.3860, 0.3365



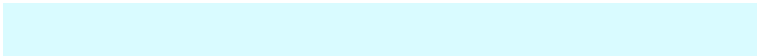
69.0080, 0.3830, 0.3860

Sweetspot

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



69.0106, 0.2444, 0.3143



91.0873, 0.2897, 0.3251



71.1389, 0.3006, 0.4763



19.2528, 0.2866, 0.3245



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

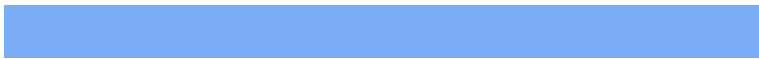
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.0106, 0.2444, 0.3143



72.3770, 0.2350, 0.3109



40.7535, 0.2292, 0.2363



18.4642, 0.2981, 0.3266



31.5291, 0.2161, 0.2980



2.8500, 0.2173, 0.3022

Inverse Universe

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



39.2472, 0.3295, 0.2179



37.0552, 0.3334, 0.2002



59.3239, 0.4126, 0.4050



16.7387, 0.3153, 0.3079



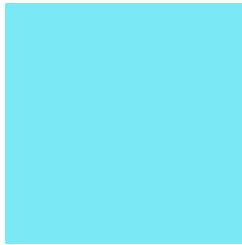
13.2823, 0.3472, 0.1686



1.1753, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 69.0080, 0.2444, 0.3143 looks on a white background.

Color Contrast Check

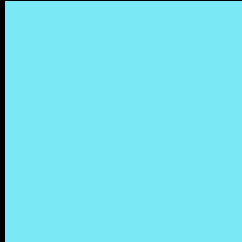
Large Text (above 18pt) WCAG AA × Fail

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 69.0080, 0.2444, 0.3143 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 69.0080, 0.2444, 0.3143

Background



This preview shows how black text looks on a background with the Yxy color 69.0080, 0.2444, 0.3143.

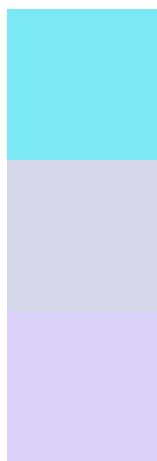


This preview shows how white text looks on a background with the Yxy color 69.0080, 0.2444, 0.3143.

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

69.0080, 0.2444, 0.3143

Protanopia

68.2725, 0.3001, 0.3082

Deuteranopia

68.0554, 0.2927, 0.2866



Tritanopia

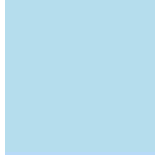
68.9633, 0.2423, 0.3062

Trichromacy



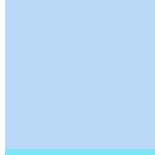
Original Color

69.0080, 0.2444, 0.3143



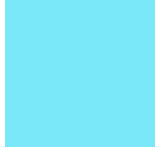
Protanomaly

67.6511, 0.2763, 0.3105



Deuteranomaly

67.1105, 0.2717, 0.2951



Tritanomaly

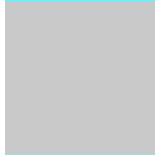
68.7637, 0.2428, 0.3085

Monochromacy



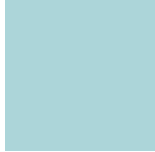
Original Color

69.0080, 0.2444, 0.3143



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.3689, 0.2816, 0.3241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0080, 0.2444, 0.3143 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(122, 233, 245)` looks like.

```
.text, #text, p{  
    color:rgb(122, 233, 245)  
}
```

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(122, 233, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 233, 245) }
```

Border

The CSS property to change the border of an element to Yxy 69.0080, 0.2444, 0.3143 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(122, 233, 245) }
```

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

```
.border{ border-color:rgb(122, 233, 245) }
```

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

Here you see how a box with a 4 pixel rgb(122, 233, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 233, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 233, 245);  
box-shadow:4px 4px 4px 4px rgb(122, 233,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0080, 0.2444, 0.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 233, 245) }
```

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

```
.background{ background-color: rgb(122,  
233, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor