

Converting Colors

$Yxy(71.1467, 0.2467, 0.3180)$

Have a look what the booklet for
Yxy(71.1467, 0.2467, 0.3180)
contains.

Yxy(71.0191, 0.2467, 0.3181)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.0191, 0.2467, 0.3181)

Conversions

Conversions Part 1

Format	Color
Hex	7EECF5
RGB	126, 236, 245
RGB Percent	49%, 93%, 96%
CMY	0.5058, 0.0745, 0.0393
CMYK	0.49, 0.04, 0.00, 0.04
HSL	185°, 86%, 73%
HSV	185°, 49%, 96%
XYZ	55.0783, 71.0191, 97.1629
YIQ	204.1360, -68.4490, -20.5210

Conversions

Conversions Part 2

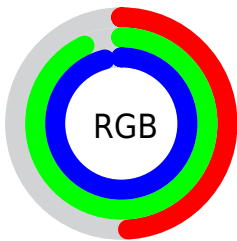
Format	Color
R _Y B	126, 183, 245
Decimal	8318197
CIE Lab	87.49, -29.24, -14.11
CIE LCh	87, 32.469, 205.761
Yxy	71.0191, 0.2467, 0.3181
Android (android.graphics.Color)	4286508277 (0xFF7EECF5)
YUV	204.1360, 20.1460, -68.5253
Hunter-Lab	84.2728, -30.8150, -9.3678

Details

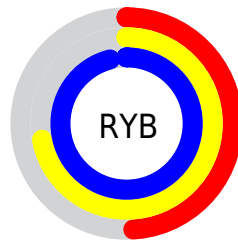
The Yxy color **71.0191, 0.2467, 0.3181** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.2357, 0.4439, 0.3390**, and the grayscale version is **60.3798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **37.3734, 0.2319, 0.3145** is the 20% darker color. If you saturate the color by 10%, you get **68.3245, 0.2372, 0.3155**, and if you desaturate by 10%, it is **74.1860, 0.2579, 0.3206**.

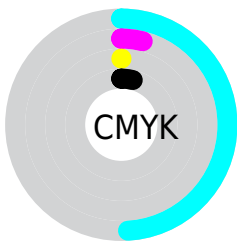
Distribution



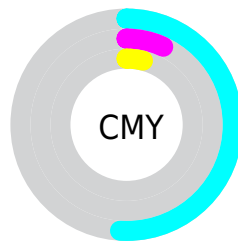
- Red (49%)
- Green (93%)
- Blue (96%)



- Red (49%)
- Yellow (72%)
- Blue (96%)



- Cyan (49%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)





- Cyan (51%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0191, 0.2467, 0.3181 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 71.0191, 0.2467, 0.3181 by changing the saturation by 10% instead.

 71.0191, 0.2467,
0.3181


 71.0191, 0.2467,
0.3181


464.1202, 0.2766,
0.3240


 52.3578, 0.2400,
0.3166


 120.6609, 0.2570,
0.3203

 37.2903, 0.2319,
0.3146


 152.4102, 0.2610,
0.3211

 25.4324, 0.2218,
0.3120


 189.2910, 0.2645,
0.3218

 16.3995, 0.2088,
0.3083

231.6875, 0.2675,
0.3223

 9.8073, 0.1916,
0.3029

279.9844, 0.2702,
0.3228

 5.2714, 0.1682,
0.2943

334.5658, 0.2726,

 2.4073, 0.1346,

0.3232

0.2793

395.8163, 0.2747,
0.3236

■ 0.8297, 0.0239,
0.2657

■ 0.0000, 0.0000,
0.0000

■ 71.0191, 0.2467,
0.3181

■ 71.0191, 0.2467,
0.3181

■ 68.3245, 0.2372,
0.3155

■ 74.1860, 0.2579,
0.3206

■ 66.0601, 0.2297,
0.3129

■ 77.8476, 0.2706,
0.3230

■ 64.1901, 0.2241,
0.3103


■ 82.0343, 0.2846,
0.3252

■ 62.6688, 0.2204,
0.3078

■ 86.7719, 0.2995,
0.3273

 61.4307, 0.2183,
0.3052

 92.0846, 0.3150,
0.3293

 61.2624, 0.2180,
0.3049

 94.4196, 0.3191,
0.3311

 95.5544, 0.3189,
0.3328

 96.7003, 0.3188,
0.3346

 97.8575, 0.3187,
0.3364

Harmonies

Analogous

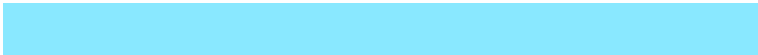
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.0191, 0.2704, 0.3567



71.0191, 0.2467, 0.3181



71.0191, 0.2398, 0.2860

Triad

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



71.0191, 0.2467, 0.3181



71.0191, 0.3154, 0.2785



71.0191, 0.3769, 0.3902

Complementary

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



71.0191, 0.2467, 0.3181



38.2357, 0.4439, 0.3390

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.



71.0191, 0.3913, 0.3650



71.0191, 0.2467, 0.3181



71.0191, 0.3547, 0.3025

Square

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



71.0191, 0.2467, 0.3181



71.0191, 0.2775, 0.2659



71.0191, 0.3833, 0.3333



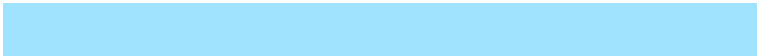
71.0191, 0.3453, 0.4001

Rectangle

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



71.0191, 0.2467, 0.3181



71.0191, 0.2451, 0.2723



71.0191, 0.3833, 0.3333



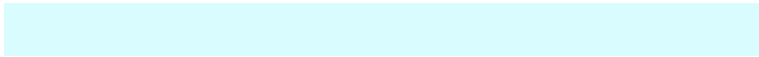
71.0191, 0.3840, 0.3830

Sweetspot

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



71.0218, 0.2467, 0.3181



91.6288, 0.2897, 0.3260



71.4412, 0.3018, 0.4734



19.3847, 0.2866, 0.3255



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

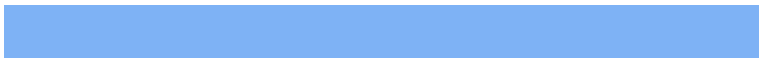
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.0218, 0.2467, 0.3181



74.9683, 0.2376, 0.3156



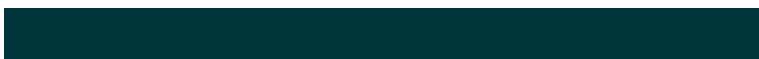
42.6949, 0.2324, 0.2425



18.5316, 0.2981, 0.3272



33.1050, 0.2181, 0.3053



2.9721, 0.2190, 0.3085

Inverse Universe

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



40.3896, 0.3263, 0.2188



38.3193, 0.3294, 0.2009



59.2403, 0.4098, 0.4008



16.7455, 0.3150, 0.3074



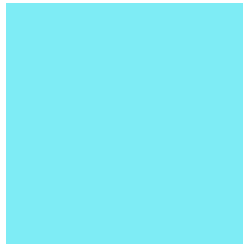
13.4413, 0.3408, 0.1651



1.1877, 0.3380, 0.1636

Previews

White Background



This preview shows how the Yxy color 71.0191, 0.2467, 0.3181 looks on a white background.

Color Contrast Check

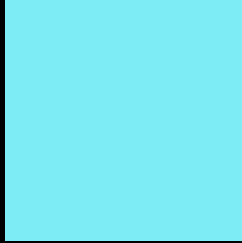
Large Text (above 18pt) WCAG AA × Fail

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 71.0191, 0.2467, 0.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

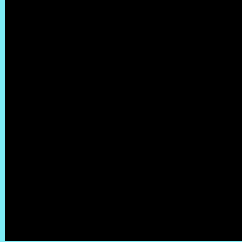
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.0191, 0.2467, 0.3181

Background



This preview shows how black text looks on a background with the Yxy color 71.0191, 0.2467, 0.3181.

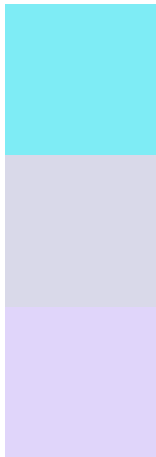


This preview shows how white text looks on a background with the Yxy color 71.0191, 0.2467, 0.3181.

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

71.0191, 0.2467, 0.3181

Protanopia

70.2606, 0.3022, 0.3116

Deuteranopia

70.3379, 0.2962, 0.2902



Tritanopia

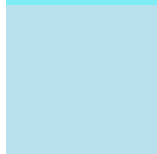
71.2395, 0.2437, 0.3065

Trichromacy



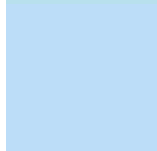
Original Color

71.0191, 0.2467, 0.3181



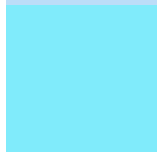
Protanomaly

69.6161, 0.2784, 0.3141



Deuteranomaly

69.1816, 0.2744, 0.2988



Tritanomaly

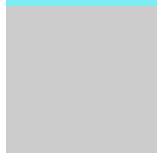
70.9709, 0.2446, 0.3099

Monochromacy



Original Color

71.0191, 0.2467, 0.3181



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.4563, 0.2832, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0191, 0.2467, 0.3181 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(126, 236, 245)` looks like.

```
.text, #text, p{  
    color:rgb(126, 236, 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(126, 236, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 236, 245) }
```

Border

The CSS property to change the border of an element to Yxy 71.0191, 0.2467, 0.3181 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(126, 236, 245) }
```

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

```
.border{ border-color:rgb(126, 236, 245) }
```

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

Here you see how a box with a 4 pixel rgb(126, 236, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 236, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 236, 245);  
box-shadow:4px 4px 4px 4px rgb(126, 236,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0191, 0.2467, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 236, 245) }
```

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

```
.background{ background-color: rgb(126,  
236, 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](#).

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