

Converting Colors

$Y_{xy}(67.2003, 0.2416, 0.3141)$

Have a look what the booklet for
Yxy(67.2003, 0.2416, 0.3141)
contains.

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Color

Yxy(67.2003, 0.2416, 0.3141)

Conversions

Conversions Part 1

Format	Color
Hex	72E7F3
RGB	114, 231, 243
RGB Percent	45%, 91%, 95%
CMY	0.5532, 0.0941, 0.0470
CMYK	0.53, 0.05, 0.00, 0.05
HSL	186°, 84%, 70%
HSV	186°, 53%, 95%
XYZ	51.6892, 67.2003, 95.0560
YIQ	197.3850, -73.5840, -21.0720

Conversions

Conversions Part 2

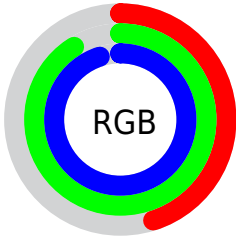
Format	Color
RYB	114, 175, 243
Decimal	7530483
CIELab	85.60, -29.83, -15.97
CIELCh	86, 33.835, 208.159
Yxy	67.2003, 0.2416, 0.3141
Android (android.graphics.Color)	4285720563 (0xFF72E7F3)
YUV	197.3850, 22.4882, -73.1286
Hunter-Lab	81.9758, -30.9057, -11.3674

Details

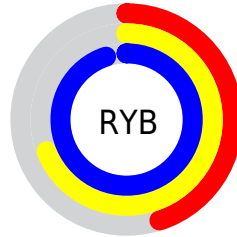
The Yxy color **67.2003, 0.2416, 0.3141** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **35.1821, 0.4615, 0.3421**, and the grayscale version is **55.9679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **34.8057, 0.2255, 0.3092** is the 20% darker color. If you saturate the color by 10%, you get **64.5271, 0.2328, 0.3109**, and if you desaturate by 10%, it is **70.3277, 0.2522, 0.3172**.

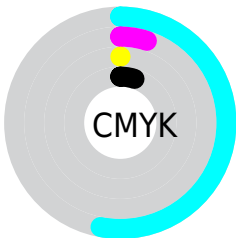
Distribution



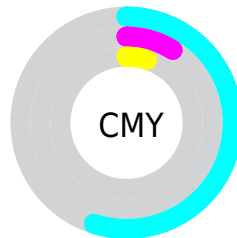
- Red (45%)
- Green (91%)
- Blue (95%)



- Red (45%)
- Yellow (69%)
- Blue (95%)



- Cyan (53%)
- Magenta (5%)
- Yellow (0%)
- Black (5%)




- Cyan (55%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2003, 0.2416, 0.3141 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 67.2003, 0.2416, 0.3141 by changing the saturation by 10% instead.


 67.2003, 0.2416,
0.3141


 67.2003, 0.2416,
0.3141


450.6574, 0.2741,
0.3220


 49.2474, 0.2343,
0.3121


 115.2074, 0.2528,
0.3170

 34.8158, 0.2254,
0.3094


 146.0304, 0.2571,
0.3181

 23.5210, 0.2143,
0.3059


 181.9122, 0.2609,
0.3190

 14.9787, 0.2001,
0.3010

223.2372, 0.2642,
0.3198

 8.8044, 0.1813,
0.2938

270.3898, 0.2671,
0.3205

 4.6138, 0.1555,
0.2824

323.7545, 0.2697,

 2.0225, 0.1190,

0.3210

0.2627

383.7156, 0.2720,
0.3215

0.6205, 0.0000,
0.2322

0.0000, 0.0000,
0.0000

67.2003, 0.2416,
0.3141

67.2003, 0.2416,
0.3141

64.5271, 0.2328,
0.3109

70.3277, 0.2522,
0.3172

62.2652, 0.2259,
0.3076


73.9330, 0.2645,
0.3203

60.3766, 0.2209,
0.3044

78.0471, 0.2780,
0.3231


58.8120, 0.2178,
0.3012

82.6962, 0.2926,
0.3258


 57.8720, 0.2164,
0.2990

 87.9047, 0.3079,
0.3283

 92.7822, 0.3204,
0.3305

 94.1559, 0.3203,
0.3327

 95.5463, 0.3201,
0.3349

 96.9535, 0.3199,
0.3370

Harmonies

Analogous

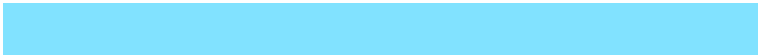
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.2003, 0.2653, 0.3552



67.2003, 0.2416, 0.3141



67.2003, 0.2359, 0.2812

Triad

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



67.2003, 0.2416, 0.3141



67.2003, 0.3189, 0.2772



67.2003, 0.3785, 0.3953

Complementary

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



67.2003, 0.2416, 0.3141



35.1821, 0.4615, 0.3421

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.



67.2003, 0.3957, 0.3693



67.2003, 0.2416, 0.3141



67.2003, 0.3603, 0.3033

Square

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



67.2003, 0.2416, 0.3141



67.2003, 0.2782, 0.2629



67.2003, 0.3892, 0.3361



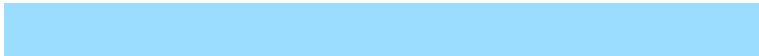
67.2003, 0.3439, 0.4045

Rectangle

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



67.2003, 0.2416, 0.3141



67.2003, 0.2425, 0.2676



67.2003, 0.3892, 0.3361



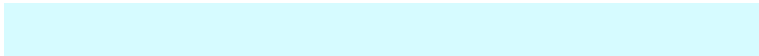
67.2003, 0.3866, 0.3880

Sweetspot

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



67.2029, 0.2416, 0.3141



90.6677, 0.2882, 0.3250



69.1603, 0.3000, 0.4862



19.1747, 0.2852, 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.



67.2029, 0.2416, 0.3141



71.6951, 0.2319, 0.3105



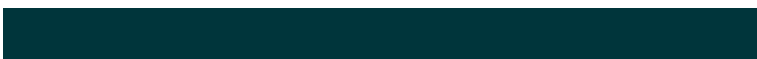
37.9499, 0.2244, 0.2297



18.4786, 0.2981, 0.3267



31.8632, 0.2165, 0.2995



2.8759, 0.2177, 0.3035

Inverse Universe

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



36.8502, 0.3300, 0.2118



35.1598, 0.3342, 0.1934



56.7699, 0.4196, 0.4090



16.7401, 0.3152, 0.3078



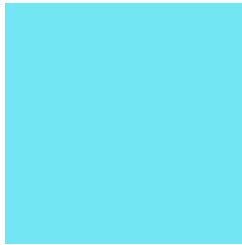
13.3160, 0.3458, 0.1679



1.1780, 0.3423, 0.1659

Previews

White Background



This preview shows how the Yxy color 67.2003, 0.2416, 0.3141 looks on a white background.

Color Contrast Check

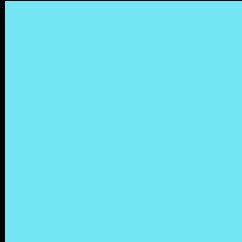
Large Text (above 18pt) WCAG AA × Fail

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 67.2003, 0.2416, 0.3141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

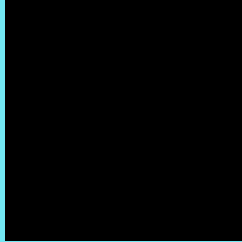
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.2003, 0.2416, 0.3141

Background



This preview shows how black text looks on a background with the Yxy color 67.2003, 0.2416, 0.3141.

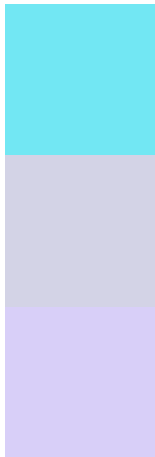


This preview shows how white text looks on a background with the Yxy color 67.2003, 0.2416, 0.3141.

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

67.2003, 0.2416, 0.3141

Protanopia

66.1506, 0.3000, 0.3079

Deuteranopia

66.0019, 0.2918, 0.2850



Tritanopia

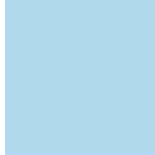
67.1462, 0.2396, 0.3058

Trichromacy



Original Color

67.2003, 0.2416, 0.3141



Protanomaly

65.3711, 0.2741, 0.3091



Deuteranomaly

65.3493, 0.2695, 0.2947



Tritanomaly

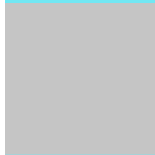
66.9539, 0.2400, 0.3081

Monochromacy



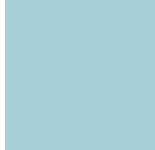
Original Color

67.2003, 0.2416, 0.3141



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.6715, 0.2798, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2003, 0.2416, 0.3141 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(114, 231, 243)` looks like.

```
.text, #text, p{  
    color:rgb(114, 231, 243)  
}
```

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(114, 231, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 231, 243) }
```

Border

The CSS property to change the border of an element to Yxy 67.2003, 0.2416, 0.3141 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(114, 231, 243) }
```

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

```
.border{ border-color:rgb(114, 231, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 231, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 231, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 231, 243);  
box-shadow:4px 4px 4px 4px rgb(114, 231,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2003, 0.2416, 0.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 231, 243) }
```

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

```
.background{ background-color: rgb(114,  
231, 243) }
```

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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