

Converting Colors

$Yxy(67.7772, 0.2423, 0.3168)$

Have a look what the booklet for
Yxy(67.7772, 0.2423, 0.3168)
contains.

Yxy(67.7014, 0.2423, 0.3166)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.7014, 0.2423, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	72E8F2
RGB	114, 232, 242
RGB Percent	45%, 91%, 95%
CMY	0.5532, 0.0901, 0.0511
CMYK	0.53, 0.04, 0.00, 0.05
HSL	185°, 83%, 70%
HSV	185°, 53%, 95%
XYZ	51.8132, 67.7014, 94.3243
YIQ	197.8580, -73.5380, -21.9060

Conversions

Conversions Part 2

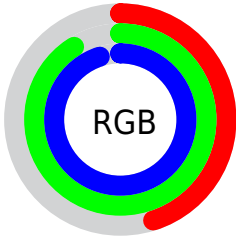
Format	Color
RYB	114, 175, 242
Decimal	7530738
CIELab	85.86, -30.59, -15.04
CIElCh	86, 34.088, 206.183
Yxy	67.7014, 0.2423, 0.3166
Android (android.graphics.Color)	4285720818 (0xFF72E8F2)
YUV	197.8580, 21.7620, -73.5435
Hunter-Lab	82.2809, -31.5881, -10.3717

Details

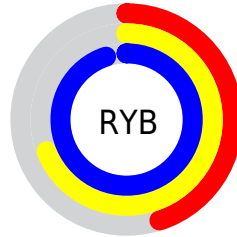
The Yxy color **67.7014, 0.2423, 0.3166** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **34.4762, 0.4619, 0.3400**, and the grayscale version is **56.2705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **35.1537, 0.2264, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **65.2369, 0.2336, 0.3139**, and if you desaturate by 10%, it is **70.6115, 0.2528, 0.3192**.

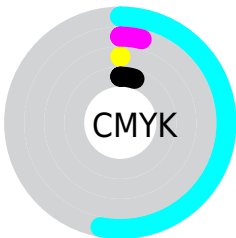
Distribution



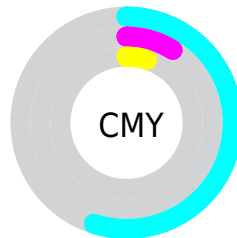
- Red (45%)
- Green (91%)
- Blue (95%)



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



- Cyan (53%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7014, 0.2423, 0.3166 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 67.7014, 0.2423, 0.3166 by changing the saturation by 10% instead.


 67.7014, 0.2423,
0.3166


 67.7014, 0.2423,
0.3166


452.4373, 0.2744,
0.3233


 49.6548, 0.2351,
0.3148


 115.9249, 0.2533,
0.3191

 35.1392, 0.2263,
0.3126


 146.8706, 0.2577,
0.3200

 23.7701, 0.2153,
0.3095


 182.8848, 0.2614,
0.3208

 15.1632, 0.2012,
0.3052

224.3519, 0.2647,
0.3215

 8.9340, 0.1826,
0.2988

271.6563, 0.2675,
0.3220

 4.6982, 0.1571,
0.2885

325.1825, 0.2701,

 2.0713, 0.1207,

0.3225

0.2705

385.3147, 0.2724,
0.3229

0.6484, 0.0000,
0.2453

0.0000, 0.0000,
0.0000

67.7014, 0.2423,
0.3166

67.7014, 0.2423,
0.3166

65.2369, 0.2336,
0.3139

70.6115, 0.2528,
0.3192

63.1754, 0.2269,
0.3112


73.9902, 0.2649,
0.3217

61.4797, 0.2221,
0.3086


77.8684, 0.2784,
0.3241

60.1010, 0.2191,
0.3059

82.2717, 0.2929,
0.3264

 59.2644, 0.2178,
0.3041

 87.2242, 0.3082,
0.3284

 91.9588, 0.3212,
0.3303

 93.0937, 0.3210,
0.3321

 94.2402, 0.3209,
0.3340

 95.3983, 0.3207,
0.3358

Harmonies

Analogous

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



67.7014, 0.2671, 0.3580



67.7014, 0.2423, 0.3166



67.7014, 0.2353, 0.2827

Triad

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



67.7014, 0.2423, 0.3166



67.7014, 0.3160, 0.2757



67.7014, 0.3806, 0.3943

Complementary

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



67.7014, 0.2423, 0.3166



34.4762, 0.4619, 0.3400

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.



67.7014, 0.3965, 0.3674



67.7014, 0.2423, 0.3166



67.7014, 0.3581, 0.3012

Square

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



67.7014, 0.2423, 0.3166



67.7014, 0.2757, 0.2622



67.7014, 0.3883, 0.3338



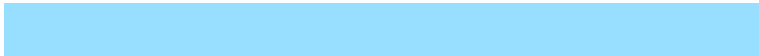
67.7014, 0.3467, 0.4050

Rectangle

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



67.7014, 0.2423, 0.3166



67.7014, 0.2411, 0.2684



67.7014, 0.3883, 0.3338



67.7014, 0.3883, 0.3867

Sweetspot

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



67.7040, 0.2423, 0.3166



91.0571, 0.2883, 0.3257



68.4819, 0.3010, 0.4883



19.2686, 0.2852, 0.3252



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.



67.7040, 0.2423, 0.3166



73.1676, 0.2327, 0.3136



38.5143, 0.2253, 0.2331



17.7061, 0.2981, 0.3271



31.9360, 0.2179, 0.3045



2.7188, 0.2189, 0.3080

Inverse Universe

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



36.7197, 0.3280, 0.2106



35.3085, 0.3317, 0.1916



55.4125, 0.4205, 0.4066



16.0089, 0.3150, 0.3075



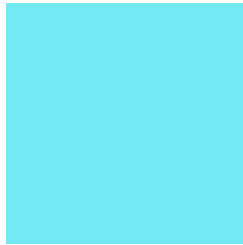
13.0173, 0.3415, 0.1655



1.0892, 0.3385, 0.1638

Previews

White Background



This preview shows how the Yxy color 67.7014, 0.2423, 0.3166 looks on a white background.

Color Contrast Check

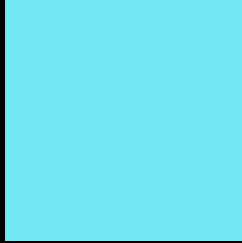
Large Text (above 18pt) WCAG AA × Fail

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 67.7014, 0.2423, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

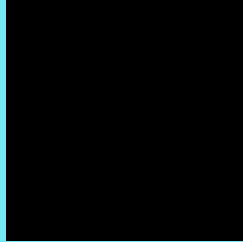
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7014, 0.2423, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 67.7014, 0.2423, 0.3166.

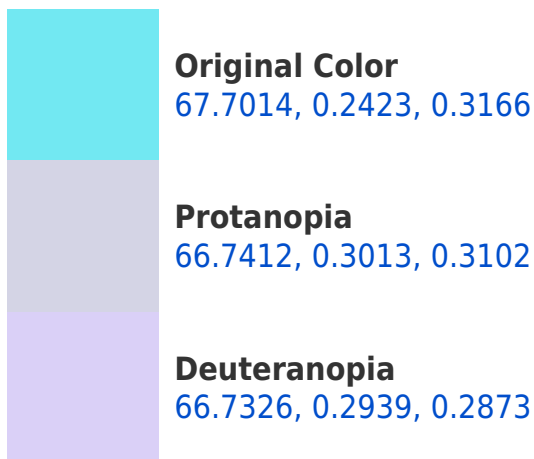


This preview shows how white text looks on a background with the Yxy color 67.7014, 0.2423, 0.3166.

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





Tritanopia

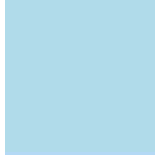
67.7733, 0.2402, 0.3071

Trichromacy



Original Color

67.7014, 0.2423, 0.3166



Protanomaly

65.8337, 0.2748, 0.3114



Deuteranomaly

65.9216, 0.2708, 0.2970



Tritanomaly

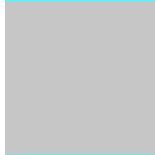
67.5187, 0.2411, 0.3106

Monochromacy



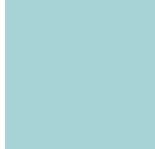
Original Color

67.7014, 0.2423, 0.3166



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.1637, 0.2799, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7014, 0.2423, 0.3166 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, 232, 242)` looks like.

```
.text, #text, p{  
    color:rgb(114, 232, 242)  
}
```

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, 232, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 232, 242) }
```

Border

The CSS property to change the border of an element to Yxy 67.7014, 0.2423, 0.3166 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, 232, 242) }
```

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

```
.border{ border-color:rgb(114, 232, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 232, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 232, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 232, 242);  
box-shadow:4px 4px 4px 4px rgb(114, 232,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7014, 0.2423, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 232, 242) }
```

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

```
.background{ background-color: rgb(114,  
232, 242) }
```

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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