

Converting Colors

$Yxy(66.7147, 0.2473, 0.3214)$

Have a look what the booklet for
Yxy(66.7147, 0.2473, 0.3214)
contains.

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Color

Yxy(66.7147, 0.2473, 0.3214)

Conversions

Conversions Part 1

Format	Color
Hex	79E6EC
RGB	121, 230, 236
RGB Percent	47%, 90%, 93%
CMY	0.5250, 0.0981, 0.0745
CMYK	0.49, 0.03, 0.00, 0.07
HSL	183°, 75%, 70%
HSV	183°, 49%, 93%
XYZ	51.3334, 66.7147, 89.5272
YIQ	198.0930, -66.8900, -21.2420

Conversions

Conversions Part 2

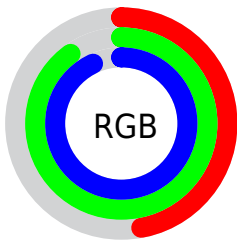
Format	Color
RYB	121, 177, 236
Decimal	7988972
CIELab	85.36, -29.71, -12.61
CIELCh	85, 32.276, 202.997
Yxy	66.7147, 0.2473, 0.3214
Android (android.graphics.Color)	4286179052 (0xFF79E6EC)
YUV	198.0930, 18.6882, -67.6106
Hunter-Lab	81.6791, -30.7553, -7.8116

Details

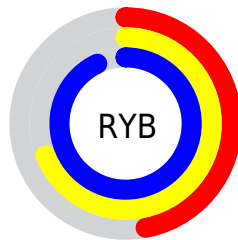
The Yxy color **66.7147, 0.2473, 0.3214** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **34.4268, 0.4457, 0.3360**, and the grayscale version is **56.4635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **34.4669, 0.2324, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **64.5291, 0.2381, 0.3196**, and if you desaturate by 10%, it is **69.3274, 0.2582, 0.3231**.

Distribution



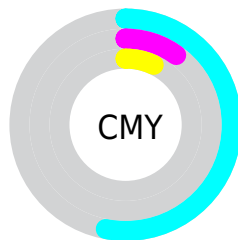
- Red (47%)
- Green (90%)
- Blue (93%)



- Red (47%)
- Yellow (69%)
- Blue (93%)



- Cyan (49%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)




- Cyan (53%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7147, 0.2473, 0.3214 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 66.7147, 0.2473, 0.3214 by changing the saturation by 10% instead.

 66.7147, 0.2473,
0.3214


 66.7147, 0.2473,
0.3214


448.9286, 0.2773,
0.3257


 48.8528, 0.2405,
0.3202


 114.5115, 0.2577,
0.3231

 34.5027, 0.2322,
0.3186

 145.2152, 0.2617,
0.3237

 23.2801, 0.2218,
0.3165


 180.9683, 0.2652,
0.3242

 14.8005, 0.2083,
0.3134

222.1552, 0.2682,
0.3246

 8.6795, 0.1904,
0.3086

269.1603, 0.2709,
0.3249

 4.5327, 0.1654,
0.3008

322.3679, 0.2733,

 1.9758, 0.1292,

0.3252

0.2862

382.1626, 0.2754,
0.3255

0.5933, 0.0000,
0.2651

0.0000, 0.0000,
0.0000

66.7147, 0.2473,
0.3214

66.7147, 0.2473,
0.3214

64.5291, 0.2381,
0.3196

69.3274, 0.2582,
0.3231

62.7320, 0.2309,
0.3178


72.3874, 0.2707,
0.3248


61.2907, 0.2256,
0.3161


75.9226, 0.2845,
0.3264


60.1636, 0.2222,
0.3143


79.9566, 0.2993,
0.3278

 59.2892, 0.2203,
0.3126

 84.5112, 0.3148,
0.3292

 59.1817, 0.2201,
0.3124

 88.1148, 0.3254,
0.3304

 88.8338, 0.3253,
0.3316

 89.5577, 0.3252,
0.3328

 90.2865, 0.3251,
0.3340

Harmonies

Analogous

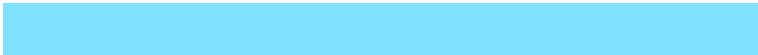
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.7147, 0.2727, 0.3606



66.7147, 0.2473, 0.3214



66.7147, 0.2387, 0.2878

Triad

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



66.7147, 0.2473, 0.3214



66.7147, 0.3116, 0.2760



66.7147, 0.3800, 0.3892

Complementary

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



66.7147, 0.2473, 0.3214



34.4268, 0.4457, 0.3360

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.



66.7147, 0.3927, 0.3626



66.7147, 0.2473, 0.3214



66.7147, 0.3519, 0.2995

Square

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



66.7147, 0.2473, 0.3214



66.7147, 0.2739, 0.2646



66.7147, 0.3824, 0.3303



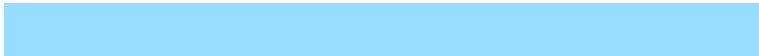
66.7147, 0.3492, 0.4011

Rectangle

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



66.7147, 0.2473, 0.3214



66.7147, 0.2430, 0.2729



66.7147, 0.3824, 0.3303



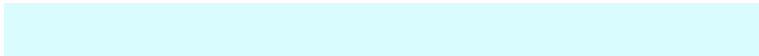
66.7147, 0.3866, 0.3815

Sweetspot

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



66.7173, 0.2473, 0.3214



92.1834, 0.2898, 0.3269



65.5926, 0.3027, 0.4760



19.5199, 0.2867, 0.3266



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.



66.7173, 0.2473, 0.3214



77.0345, 0.2385, 0.3197



39.9445, 0.2329, 0.2451



16.9789, 0.2981, 0.3277



32.6833, 0.2202, 0.3126



2.6079, 0.2209, 0.3150

Inverse Universe

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



37.2478, 0.3238, 0.2165



38.5279, 0.3262, 0.1984



53.6223, 0.4110, 0.3989



15.2994, 0.3146, 0.3070



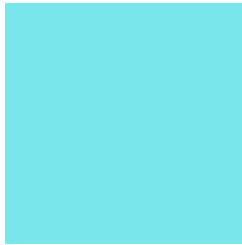
12.7922, 0.3344, 0.1616



1.0087, 0.3324, 0.1605

Previews

White Background



This preview shows how the Yxy color 66.7147, 0.2473, 0.3214 looks on a white background.

Color Contrast Check

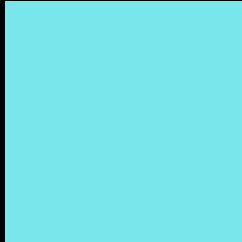
Large Text (above 18pt) WCAG AA × Fail

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 66.7147, 0.2473, 0.3214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

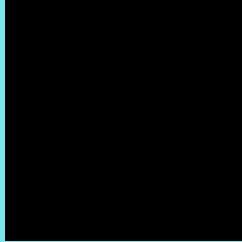
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.7147, 0.2473, 0.3214

Background



This preview shows how black text looks on a background with the Yxy color 66.7147, 0.2473, 0.3214.

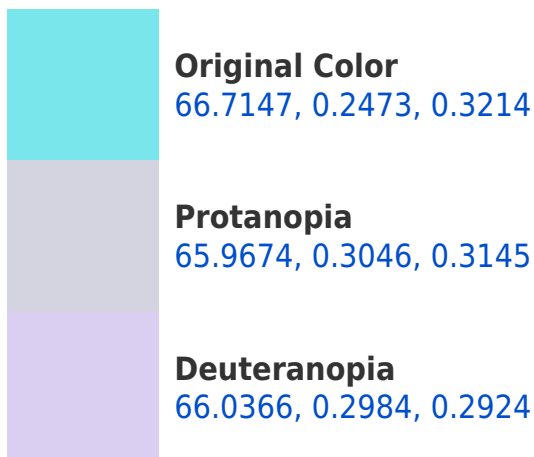


This preview shows how white text looks on a background with the Yxy color 66.7147, 0.2473, 0.3214.

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

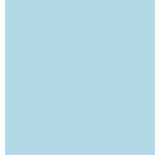
66.5622, 0.2435, 0.3059

Trichromacy



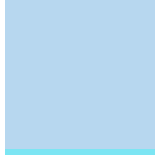
Original Color

66.7147, 0.2473, 0.3214



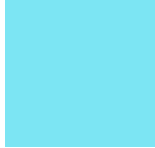
Protanomaly

65.3279, 0.2800, 0.3172



Deuteranomaly

64.9002, 0.2759, 0.3013



Tritanomaly

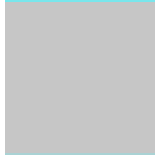
66.7948, 0.2451, 0.3118

Monochromacy



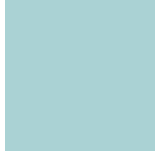
Original Color

66.7147, 0.2473, 0.3214



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.3927, 0.2831, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7147, 0.2473, 0.3214 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(121, 230, 236)` looks like.

```
.text, #text, p{  
    color:rgb(121, 230, 236)  
}
```

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(121, 230, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 230, 236) }
```

Border

The CSS property to change the border of an element to Yxy 66.7147, 0.2473, 0.3214 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(121, 230, 236) }
```

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

```
.border{ border-color:rgb(121, 230, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 230, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 230, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 230, 236);  
box-shadow:4px 4px 4px 4px rgb(121, 230,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7147, 0.2473, 0.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 230, 236) }
```

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

```
.background{ background-color: rgb(121,  
230, 236) }
```

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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