

Converting Colors

$Yxy(63.8473, 0.2427, 0.3055)$

Have a look what the booklet for
Yxy(63.8473, 0.2427, 0.3055)
contains.

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Color

Yxy(63.8473, 0.2427, 0.3055)

Conversions

Conversions Part 1

Format	Color
Hex	79E0F3
RGB	121, 224, 243
RGB Percent	47%, 88%, 95%
CMY	0.5252, 0.1216, 0.0472
CMYK	0.50, 0.08, 0.00, 0.05
HSL	189°, 84%, 71%
HSV	189°, 50%, 95%
XYZ	50.7226, 63.8473, 94.4229
YIQ	195.3690, -67.4870, -15.9270

Conversions

Conversions Part 2

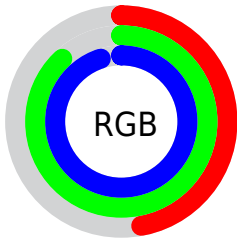
Format	Color
R _Y B	121, 177, 243
Decimal	7987443
CIE Lab	83.89, -24.98, -18.51
CIE LCh	84, 31.089, 216.529
Yxy	63.8473, 0.2427, 0.3055
Android (android.graphics.Color)	4286177523 (0xFF79E0F3)
YUV	195.3690, 23.4821, -65.2216
Hunter-Lab	79.9045, -26.5229, -14.1297

Details

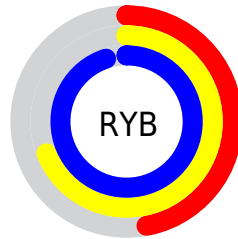
The Yxy color **63.8473, 0.2427, 0.3055** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.2043, 0.4444, 0.3499**, and the grayscale version is **54.7031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **32.8336, 0.2264, 0.2992** is the 20% darker color. If you saturate the color by 10%, you get **60.2978, 0.2325, 0.3000**, and if you desaturate by 10%, it is **67.8890, 0.2545, 0.3108**.

Distribution



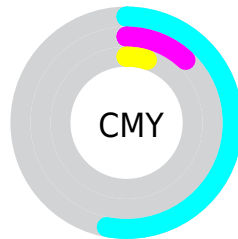
- Red (47%)
- Green (88%)
- Blue (95%)



- Red (47%)
- Yellow (69%)
- Blue (95%)



- Cyan (50%)
- Magenta (8%)
- Yellow (0%)
- Black (5%)




- Cyan (53%)
- Magenta (12%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8473, 0.2427, 0.3055 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 63.8473, 0.2427, 0.3055 by changing the saturation by 10% instead.


 63.8473, 0.2427,
0.3055


 63.8473, 0.2427,
0.3055

438.6380, 0.2749,
0.3174


 46.5270, 0.2354,
0.3025


 110.3910, 0.2538,
0.3098

 32.6619, 0.2265,
0.2987


 140.3832, 0.2582,
0.3115

 21.8676, 0.2153,
0.2937


 175.3681, 0.2619,
0.3129

 13.7596, 0.2009,
0.2869

215.7302, 0.2652,
0.3140

 7.9537, 0.1818,
0.2770

261.8539, 0.2681,
0.3151

 4.0653, 0.1554,
0.2619

314.1234, 0.2706,

 1.7102, 0.1176,

0.3160

372.9234, 0.2729,
0.3167

0.2363

0.4302, 0.0000,
0.1769

0.0000, 0.0000,
0.0000

63.8473, 0.2427,
0.3055

63.8473, 0.2427,
0.3055

60.2978, 0.2325,
0.3000

67.8890, 0.2545,
0.3108

57.1991, 0.2242,
0.2944


72.4461, 0.2677,
0.3158

54.5145, 0.2178,
0.2888

77.5492, 0.2820,
0.3206

52.1977, 0.2133,
0.2832

83.2238, 0.2970,
0.3249

 50.2029, 0.2105,
0.2778

 89.4942, 0.3125,
0.3289

 94.0635, 0.3203,
0.3326

 96.3967, 0.3200,
0.3362

 98.7772, 0.3198,
0.3398

 99.2495, 0.3197,
0.3405

Harmonies

Analogous

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



63.8473, 0.2606, 0.3428



63.8473, 0.2427, 0.3055



63.8473, 0.2422, 0.2782

Triad

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



63.8473, 0.2427, 0.3055



63.8473, 0.3298, 0.2863



63.8473, 0.3666, 0.3954

Complementary

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



63.8473, 0.2427, 0.3055



39.2043, 0.4444, 0.3499

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.



63.8473, 0.3880, 0.3749



63.8473, 0.2427, 0.3055



63.8473, 0.3664, 0.3132

Square

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



63.8473, 0.2427, 0.3055



63.8473, 0.2904, 0.2693



63.8473, 0.3882, 0.3448



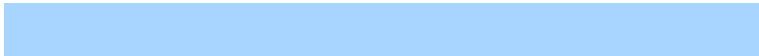
63.8473, 0.3315, 0.3978

Rectangle

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



63.8473, 0.2427, 0.3055



63.8473, 0.2516, 0.2682



63.8473, 0.3882, 0.3448



63.8473, 0.3757, 0.3902

Sweetspot

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



63.8497, 0.2427, 0.3055



89.7127, 0.2896, 0.3229



70.0309, 0.2967, 0.4657



18.9185, 0.2865, 0.3219



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.



63.8497, 0.2427, 0.3055



67.2978, 0.2325, 0.3000



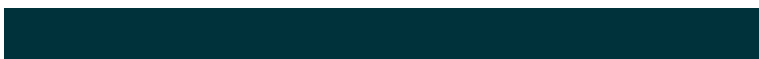
36.9982, 0.2271, 0.2253



18.2925, 0.2980, 0.3252



27.7230, 0.2108, 0.2787



2.5525, 0.2127, 0.2856

Inverse Universe

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



38.1251, 0.3363, 0.2239



36.5425, 0.3423, 0.2069



61.8848, 0.4080, 0.4130



16.7214, 0.3162, 0.3092



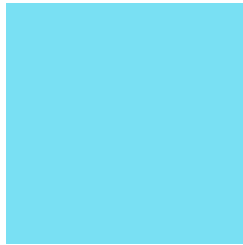
12.8980, 0.3647, 0.1783



1.1453, 0.3583, 0.1747

Previews

White Background



This preview shows how the Yxy color 63.8473, 0.2427, 0.3055 looks on a white background.

Color Contrast Check

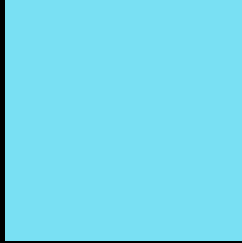
Large Text (above 18pt) WCAG AA × Fail

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 63.8473, 0.2427, 0.3055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

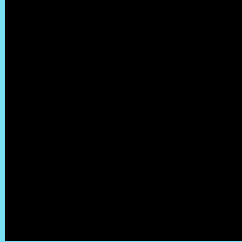
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8473, 0.2427, 0.3055

Background



This preview shows how black text looks on a background with the Yxy color 63.8473, 0.2427, 0.3055.



This preview shows how white text looks on a background with the Yxy color 63.8473, 0.2427, 0.3055.

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

63.8473, 0.2427, 0.3055

Protanopia

62.9479, 0.2944, 0.2998

Deuteranopia

62.9826, 0.2874, 0.2809



Tritanopia

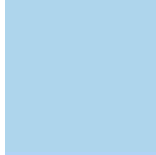
63.7871, 0.2431, 0.3067

Trichromacy



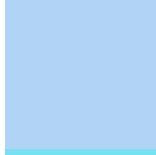
Original Color

63.8473, 0.2427, 0.3055



Protanomaly

62.6433, 0.2717, 0.3019



Deuteranomaly

62.5895, 0.2677, 0.2886



Tritanomaly

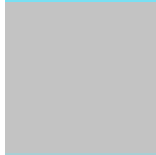
63.7871, 0.2431, 0.3067

Monochromacy



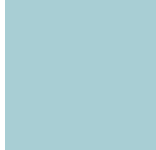
Original Color

63.8473, 0.2427, 0.3055



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.2209, 0.2815, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8473, 0.2427, 0.3055 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, 224, 243)` looks like.

```
.text, #text, p{  
    color:rgb(121, 224, 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(121, 224, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 224, 243) }
```

Border

The CSS property to change the border of an element to Yxy 63.8473, 0.2427, 0.3055 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, 224, 243) }
```

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

```
.border{ border-color:rgb(121, 224, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 224, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 224, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 224, 243);  
box-shadow:4px 4px 4px 4px rgb(121, 224,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8473, 0.2427, 0.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 224, 243) }
```

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

```
.background{ background-color: rgb(121,  
224, 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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