

Converting Colors

$Yxy(63.9949, 0.2474, 0.3288)$

Have a look what the booklet for
Yxy(63.9949, 0.2474, 0.3288)
contains.

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Color

Yxy(63.9949, 0.2474, 0.3288)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 71E3E3 |
| RGB | 113, 227, 227 |
| RGB Percent | 44%, 89%, 89% |
| CMY | 0.5565, 0.1098, 0.1098 |
| CMYK | 0.50, 0.00, 0.00, 0.11 |
| HSL | 180°, 67%, 67% |
| HSV | 180°, 50%, 89% |
| XYZ | 48.1519, 63.9949, 82.4849 |
| YIQ | 192.9140, -67.9440, -24.1680 |

Conversions

Conversions Part 2

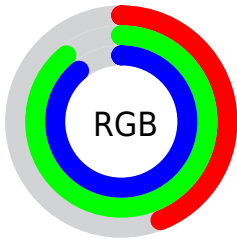
| Format | Color |
|-------------------------------------|--|
| RYB | 113, 170, 227 |
| Decimal | 7463907 |
| CIELab | 83.96, -32.28, -9.97 |
| CIELCh | 84, 33.788, 197.162 |
| Yxy | 63.9949, 0.2474, 0.3288 |
| Android (android.graphics.Color) | 4285653987 (0xFF71E3E3) |
| YUV | 192.9140, 16.8044, -70.0846 |
| Hunter-Lab | 79.9968, -32.5513, -5.1363 |

Details

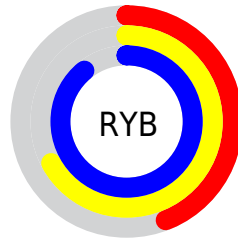
The Yxy color **63.9949, 0.2474, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.3560, 0.4554, 0.3294**, and the grayscale version is **53.2182, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **32.7087, 0.2318, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **62.6735, 0.2391, 0.3288**, and if you desaturate by 10%, it is **65.6978, 0.2575, 0.3288**.

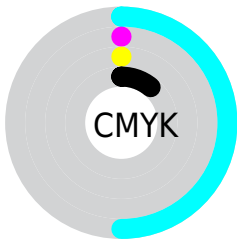
Distribution



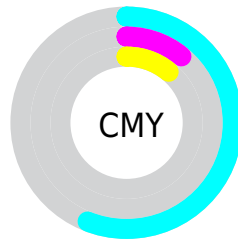
- Red (44%)
- Green (89%)
- Blue (89%)



- Red (44%)
- Yellow (67%)
- Blue (89%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)




- Cyan (56%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9949, 0.2474, 0.3288 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 63.9949, 0.2474, 0.3288 by changing the saturation by 10% instead.


 63.9949, 0.2474,
0.3288

 63.9949, 0.2474,
0.3288

439.1712, 0.2777,
0.3296

 46.6465, 0.2405,
0.3284


 110.6036, 0.2579,
0.3292

 32.7563, 0.2320,
0.3279


 140.6327, 0.2620,
0.3294

 21.9398, 0.2213,
0.3270


 175.6576, 0.2655,
0.3295

 13.8127, 0.2073,
0.3255

216.0625, 0.2686,
0.3295

 7.9905, 0.1886,
0.3230

262.2319, 0.2713,
0.3296

 4.0889, 0.1622,
0.3182

314.5503, 0.2737,

 1.7234, 0.1218,

0.3296

0.3083

373.4019, 0.2758,
0.3296

0.4387, 0.0000,
0.2693

0.0000, 0.0000,
0.0000

63.9949, 0.2474,
0.3288

63.9949, 0.2474,
0.3288

62.6735, 0.2391,
0.3288

65.6978, 0.2575,
0.3288

61.6976, 0.2328,
0.3288

67.8004, 0.2693,
0.3289

61.0370, 0.2284,
0.3287

70.3287, 0.2826,
0.3289

60.6528, 0.2258,
0.3287

73.3042, 0.2971,
0.3290

 60.4784, 0.2247,
0.3287

 76.7471, 0.3124,
0.3290

 80.6762, 0.3283,
0.3290

 81.7440, 0.3324,
0.3291

 81.7444, 0.3324,
0.3291

 81.7449, 0.3324,
0.3291

Harmonies

Analogous

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



63.9949, 0.2772, 0.3702



63.9949, 0.2474, 0.3288



63.9949, 0.2347, 0.2911

Triad

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



63.9949, 0.2474, 0.3288



63.9949, 0.3031, 0.2696



63.9949, 0.3884, 0.3880

Complementary

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



63.9949, 0.2474, 0.3288



29.3560, 0.4554, 0.3294

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.



63.9949, 0.3975, 0.3579



63.9949, 0.2474, 0.3288



63.9949, 0.3464, 0.2921

Square

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



63.9949, 0.2474, 0.3288



63.9949, 0.2651, 0.2604



63.9949, 0.3819, 0.3235



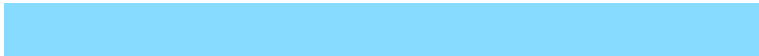
63.9949, 0.3586, 0.4048

Rectangle

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



63.9949, 0.2474, 0.3288



63.9949, 0.2368, 0.2733



63.9949, 0.3819, 0.3235



63.9949, 0.3941, 0.3790

Sweetspot

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



63.9974, 0.2474, 0.3288



93.4525, 0.2899, 0.3289



59.6480, 0.3052, 0.4884



19.8295, 0.2868, 0.3289



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.



63.9974, 0.2474, 0.3288



81.5611, 0.2390, 0.3288



37.8284, 0.2322, 0.2505



16.3363, 0.2982, 0.3290



35.2719, 0.2247, 0.3287



2.6065, 0.2247, 0.3287

Inverse Universe

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



33.7064, 0.3184, 0.2085



37.9824, 0.3193, 0.1894



46.2907, 0.4180, 0.3945



14.6153, 0.3138, 0.3059



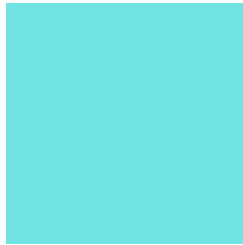
12.7584, 0.3209, 0.1542



0.9428, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 63.9949, 0.2474, 0.3288 looks on a white background.

Color Contrast Check

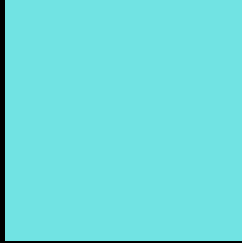
Large Text (above 18pt) WCAG AA × Fail

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 63.9949, 0.2474, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

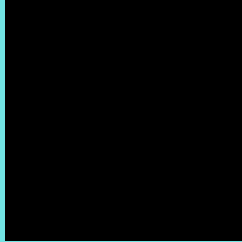
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.9949, 0.2474, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 63.9949, 0.2474, 0.3288.



This preview shows how white text looks on a background with the Yxy color 63.9949, 0.2474, 0.3288.

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

63.9949, 0.2474, 0.3288

Protanopia

63.2336, 0.3094, 0.3199

Deuteranopia

63.2898, 0.3030, 0.2972



Tritanopia

64.1730, 0.2417, 0.3067

Trichromacy



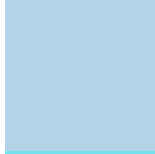
Original Color

63.9949, 0.2474, 0.3288



Protanomaly

62.3216, 0.2824, 0.3229



Deuteranomaly

62.3838, 0.2783, 0.3077



Tritanomaly

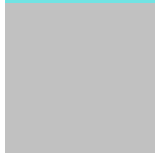
64.2201, 0.2438, 0.3151

Monochromacy



Original Color

63.9949, 0.2474, 0.3288



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

55.9629, 0.2831, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9949, 0.2474, 0.3288 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(113, 227, 227)` looks like.

```
.text, #text, p{  
    color:rgb(113, 227, 227)  
}
```

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(113, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 227, 227) }
```

Border

The CSS property to change the border of an element to Yxy 63.9949, 0.2474, 0.3288 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(113, 227, 227) }
```

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

```
.border{ border-color:rgb(113, 227, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 227, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 227, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 227, 227); box-shadow:4px 4px 4px 4px rgb(113, 227, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9949, 0.2474, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 227, 227) }
```

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

```
.background{ background-color: rgb(113,  
227, 227) }
```

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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