

Converting Colors

$Yxy(44.7100, 0.2446, 0.2954)$

Have a look what the booklet for
Yxy(44.7100, 0.2446, 0.2954)
contains.

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Color

Yxy(44.7100, 0.2446, 0.2954)

Conversions

Conversions Part 1

Format	Color
Hex	71BDD5
RGB	113, 189, 213
RGB Percent	44%, 74%, 84%
CMY	0.5567, 0.2588, 0.1647
CMYK	0.47, 0.11, 0.00, 0.16
HSL	194°, 54%, 64%
HSV	194°, 47%, 84%
XYZ	37.0212, 44.7100, 69.6229
YIQ	169.0120, -53.0000, -8.6480

Conversions

Conversions Part 2

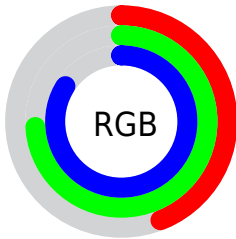
Format	Color
RYB	113, 156, 213
Decimal	7454165
CIELab	72.70, -17.18, -19.37
CIELCh	73, 25.891, 228.435
Yxy	44.7100, 0.2446, 0.2954
Android (android.graphics.Color)	4285644245 (0xFF71BDD5)
YUV	169.0120, 21.6861, -49.1225
Hunter-Lab	66.8655, -18.1852, -14.9291

Details

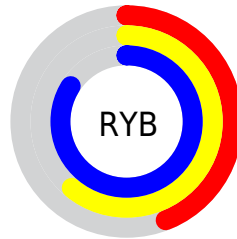
The Yxy color **44.7100, 0.2446, 0.2954** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.2420, 0.4252, 0.3590**, and the grayscale version is **39.5988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0709, 0.2638, 0.3178**, and **20.8892, 0.2269, 0.2864** is the 20% darker color. If you saturate the color by 10%, you get **41.2989, 0.2328, 0.2869**, and if you desaturate by 10%, it is **48.5336, 0.2578, 0.3035**.

Distribution



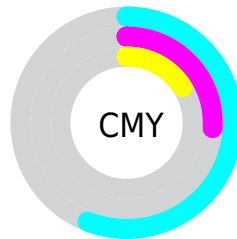
- Red (44%)
- Green (74%)
- Blue (84%)



- Red (44%)
- Yellow (61%)
- Blue (84%)



- Cyan (47%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)





- Cyan (56%)
- Magenta (26%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7100, 0.2446, 0.2954 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 44.7100, 0.2446, 0.2954 by changing the saturation by 10% instead.

 44.7100, 0.2446,
0.2954


 44.7100, 0.2446,
0.2954


365.5978, 0.2780,
0.3129

 31.2291, 0.2365,
0.2909


 82.2851, 0.2565,
0.3019

 20.7733, 0.2264,
0.2849


 107.1480, 0.2611,
0.3043

 12.9584, 0.2132,
0.2769


 136.5737, 0.2649,
0.3063

 7.3999, 0.1954,
0.2656

170.9466, 0.2683,
0.3080

 3.7134, 0.1704,
0.2484

210.6510, 0.2712,
0.3095

 1.5146, 0.1337,
0.2202

256.0714, 0.2737,

 0.2990, 0.0000,

0.3108

0.1377

307.5922, 0.2760,
0.3119

0.0000, 0.0000,
0.0000

44.7100, 0.2446,
0.2954

44.7100, 0.2446,
0.2954

41.2989, 0.2328,
0.2869

48.5336, 0.2578,
0.3035

38.2708, 0.2226,
0.2781

52.7867, 0.2719,
0.3112

35.6001, 0.2143,
0.2691

57.4911, 0.2868,
0.3183

33.2548, 0.2080,
0.2602

62.6656, 0.3021,
0.3248

31.1932, 0.2036,
0.2514

68.3280, 0.3174,
0.3308

■ 30.5937, 0.2024,
0.2487

■ 74.4948, 0.3327,
0.3361

■ 79.8016, 0.3423,
0.3410

■ 82.6046, 0.3415,
0.3460

■ 85.4911, 0.3407,
0.3511

Harmonies

Analogous

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



44.7100, 0.2552, 0.3276



44.7100, 0.2446, 0.2954



44.7100, 0.2508, 0.2749

Triad

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



44.7100, 0.2446, 0.2954



44.7100, 0.3434, 0.2980



44.7100, 0.3514, 0.3945

Complementary

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



44.7100, 0.2446, 0.2954



33.2420, 0.4252, 0.3590

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.



44.7100, 0.3775, 0.3814



44.7100, 0.2446, 0.2954



44.7100, 0.3733, 0.3259

Square

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



44.7100, 0.2446, 0.2954



44.7100, 0.3061, 0.2777



44.7100, 0.3860, 0.3559



44.7100, 0.3158, 0.3884

Rectangle

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



44.7100, 0.2446, 0.2954



44.7100, 0.2638, 0.2694



44.7100, 0.3860, 0.3559



44.7100, 0.3616, 0.3920

Sweetspot

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



44.7117, 0.2446, 0.2954



88.4995, 0.2910, 0.3202



52.8862, 0.2929, 0.4416



18.5908, 0.2877, 0.3187



0.0000, 0.0000, 0.0000



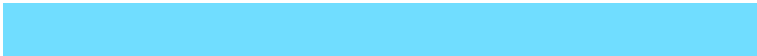
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.7117, 0.2446, 0.2954



62.2412, 0.2332, 0.2872



26.9865, 0.2312, 0.2215



13.5791, 0.2982, 0.3233



18.8552, 0.2028, 0.2499



1.2615, 0.2070, 0.2652

Inverse Universe

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



29.6402, 0.3436, 0.2394



38.0979, 0.3522, 0.2234



50.5996, 0.3954, 0.4164



12.5793, 0.3174, 0.3115



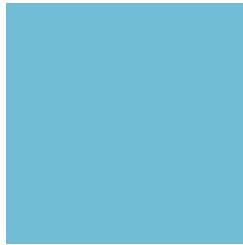
10.2483, 0.3923, 0.1935



0.6307, 0.3774, 0.1853

Previews

White Background



This preview shows how the Yxy color 44.7100, 0.2446, 0.2954 looks on a white background.

Color Contrast Check

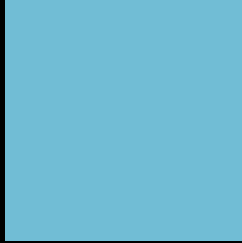
Large Text (above 18pt) WCAG AA × Fail

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 44.7100, 0.2446, 0.2954 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 44.7100, 0.2446, 0.2954

Background



This preview shows how black text looks on a background with the Yxy color 44.7100, 0.2446, 0.2954.



This preview shows how white text looks on a background with the Yxy color 44.7100, 0.2446, 0.2954.

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

44.7100, 0.2446, 0.2954

Protanopia

44.2945, 0.2885, 0.2927

Deuteranopia

44.3439, 0.2813, 0.2759



Tritanopia

44.6627, 0.2475, 0.3062

Trichromacy



Original Color

44.7100, 0.2446, 0.2954

Protanomaly

44.1321, 0.2702, 0.2940

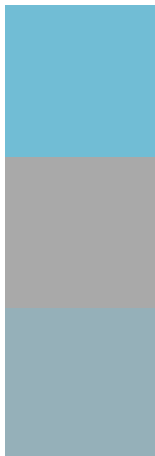
Deuteranomaly

43.8219, 0.2654, 0.2814

Tritanomaly

44.8751, 0.2464, 0.3021

Monochromacy



Original Color

44.7100, 0.2446, 0.2954

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.9430, 0.2832, 0.3162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7100, 0.2446, 0.2954 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, 189, 213)` looks like.

```
.text, #text, p{  
    color:rgb(113, 189, 213)  
}
```

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, 189, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 189, 213) }
```

Border

The CSS property to change the border of an element to Yxy 44.7100, 0.2446, 0.2954 is called "border". The border property can be set on classes, ids or directly on the HTML element.

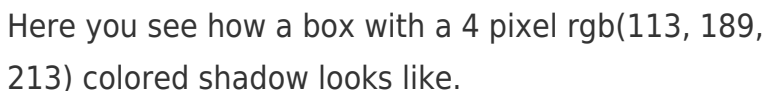
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 189, 213) }
```

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

```
.border{ border-color:rgb(113, 189, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(113, 189, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 189, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 189, 213);  
box-shadow:4px 4px 4px 4px rgb(113, 189,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7100, 0.2446, 0.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 189, 213) }
```

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

```
.background{ background-color: rgb(113,  
189, 213) }
```

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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