

Converting Colors

$Yxy(44.9555, 0.2373, 0.2938)$

Have a look what the booklet for
Yxy(44.9555, 0.2373, 0.2938)
contains.

| | |
|---|----|
| Yxy(44.9288, 0.2372, 0.2938) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(44.9288, 0.2372, 0.2938)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 64BFD8 |
| RGB | 100, 191, 216 |
| RGB Percent | 39%, 75%, 85% |
| CMY | 0.6081, 0.2509, 0.1530 |
| CMYK | 0.54, 0.12, 0.00, 0.15 |
| HSL | 193°, 60%, 62% |
| HSV | 193°, 54%, 85% |
| XYZ | 36.2734, 44.9288, 71.7209 |
| YIQ | 166.6410, -62.2610, -11.5170 |

Conversions

Conversions Part 2

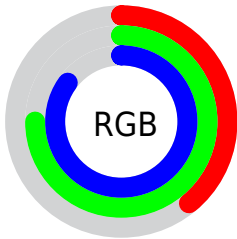
| Format | Color |
|-------------------------------------|---|
| RYB | 100, 151, 216 |
| Decimal | 6602712 |
| CIELab | 72.84, -20.28, -20.84 |
| CIElCh | 73, 29.073, 225.781 |
| Yxy | 44.9288, 0.2372, 0.2938 |
| Android (android.graphics.Color) | 4284792792 (0xFF64BFD8) |
| YUV | 166.6410, 24.3340, -58.4442 |
| Hunter-Lab | 67.0289, -20.7037, -16.5200 |

Details

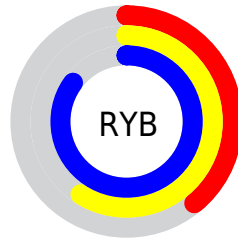
The Yxy color **44.9288, 0.2372, 0.2938** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **30.1586, 0.4519, 0.3592**, and the grayscale version is **38.3539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0106, 0.2583, 0.3199**, and **20.7879, 0.2172, 0.2821** is the 20% darker color. If you saturate the color by 10%, you get **41.8634, 0.2268, 0.2860**, and if you desaturate by 10%, it is **48.3883, 0.2492, 0.3013**.

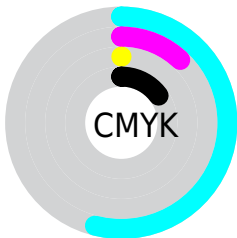
Distribution



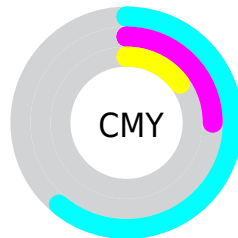
- Red (39%)
- Green (75%)
- Blue (85%)



- Red (39%)
- Yellow (59%)
- Blue (85%)



- Cyan (54%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)





- Cyan (61%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9288, 0.2372, 0.2938 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 44.9288, 0.2372, 0.2938 by changing the saturation by 10% instead.

 44.9288, 0.2372,
0.2938

 44.9288, 0.2372,
0.2938

366.4851, 0.2740,
0.3123


 31.4013, 0.2284,
0.2890


 82.6136, 0.2503,
0.3007


 20.9047, 0.2173,
0.2827


 107.5397, 0.2553,
0.3032

 13.0543, 0.2030,
0.2742


 137.0341, 0.2596,
0.3053

 7.4660, 0.1839,
0.2621

 171.4813, 0.2633,
0.3072

 3.7552, 0.1574,
0.2439

211.2655, 0.2665,
0.3087

 1.5376, 0.1194,
0.2142

256.7714, 0.2693,

 0.3150, 0.0000,

0.3101

0.1324

308.3831, 0.2718,
0.3112

0.0000, 0.0000,
0.0000

44.9288, 0.2372,
0.2938

44.9288, 0.2372,
0.2938

41.8634, 0.2268,
0.2860

48.3883, 0.2492,
0.3013

39.1600, 0.2183,
0.2781

52.2608, 0.2625,
0.3084

36.7891, 0.2117,
0.2702

56.5701, 0.2767,
0.3151

34.7131, 0.2071,
0.2623

61.3364, 0.2917,
0.3213

33.5242, 0.2049,
0.2574

66.5784, 0.3070,
0.3270

■ 72.3139, 0.3223,
0.3322

■ 78.5596, 0.3376,
0.3367

■ 81.8147, 0.3397,
0.3413

■ 84.4098, 0.3390,
0.3459

Harmonies

Analogous

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



44.9288, 0.2504, 0.3308



44.9288, 0.2372, 0.2938



44.9288, 0.2424, 0.2699

Triad

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



44.9288, 0.2372, 0.2938



44.9288, 0.3435, 0.2920



44.9288, 0.3589, 0.4020

Complementary

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



44.9288, 0.2372, 0.2938



30.1586, 0.4519, 0.3592

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.



44.9288, 0.3870, 0.3852



44.9288, 0.2372, 0.2938



44.9288, 0.3784, 0.3223

Square

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



44.9288, 0.2372, 0.2938



44.9288, 0.3015, 0.2706



44.9288, 0.3946, 0.3556



44.9288, 0.3196, 0.3976

Rectangle

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



44.9288, 0.2372, 0.2938



44.9288, 0.2558, 0.2630



44.9288, 0.3946, 0.3556



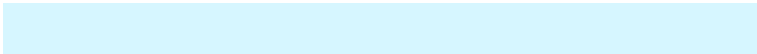
44.9288, 0.3701, 0.3984

Sweetspot

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



44.9305, 0.2372, 0.2938



87.5916, 0.2880, 0.3199



53.2468, 0.2930, 0.4674



18.4348, 0.2849, 0.3186



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.



44.9305, 0.2372, 0.2938



60.6080, 0.2260, 0.2854



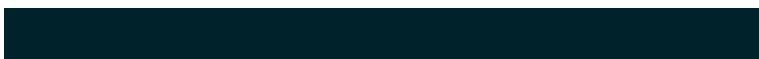
24.9188, 0.2197, 0.2084



13.6331, 0.2982, 0.3239



20.0077, 0.2052, 0.2586



1.3223, 0.2089, 0.2722

Inverse Universe

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



27.4596, 0.3462, 0.2249



34.0406, 0.3552, 0.2087



48.6343, 0.4111, 0.4238



12.5848, 0.3170, 0.3109



10.3646, 0.3837, 0.1888



0.6368, 0.3708, 0.1816

Previews

White Background



This preview shows how the Yxy color 44.9288, 0.2372, 0.2938 looks on a white background.

Color Contrast Check

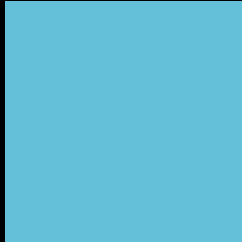
Large Text (above 18pt) WCAG AA × Fail

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 44.9288, 0.2372, 0.2938 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

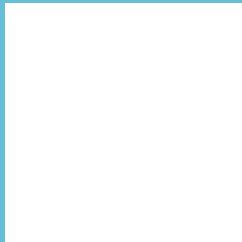
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.9288, 0.2372, 0.2938

Background



This preview shows how black text looks on a background with the Yxy color 44.9288, 0.2372, 0.2938.



This preview shows how white text looks on a background with the Yxy color 44.9288, 0.2372, 0.2938.

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

44.9288, 0.2372, 0.2938

Protanopia

44.2776, 0.2862, 0.2902

Deuteranopia

44.4381, 0.2778, 0.2712



Tritanopia

44.7947, 0.2402, 0.3059

Trichromacy



Original Color

44.9288, 0.2372, 0.2938



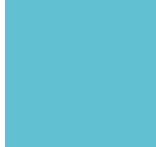
Protanomaly

43.8119, 0.2647, 0.2899



Deuteranomaly

43.9600, 0.2597, 0.2775



Tritanomaly

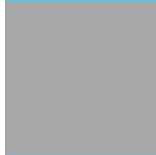
44.9991, 0.2391, 0.3018

Monochromacy



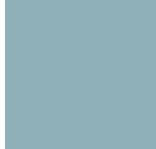
Original Color

44.9288, 0.2372, 0.2938



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

40.3931, 0.2786, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9288, 0.2372, 0.2938 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(100, 191, 216)` looks like.

```
.text, #text, p{  
    color:rgb(100, 191, 216)  
}
```

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(100, 191, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 191, 216) }
```

Border

The CSS property to change the border of an element to Yxy 44.9288, 0.2372, 0.2938 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(100, 191, 216) }
```

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

```
.border{ border-color:rgb(100, 191, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 191, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 191, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 191, 216);  
box-shadow:4px 4px 4px 4px rgb(100, 191,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9288, 0.2372, 0.2938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 191, 216) }
```

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

```
.background{ background-color: rgb(100,  
191, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor