

Converting Colors

$Y_{xy}(45.3980, 0.2203, 0.2740)$

Have a look what the booklet for
Yxy(45.3980, 0.2203, 0.2740)
contains.

Yxy(45.4396, 0.2202, 0.2739)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.4396, 0.2202, 0.2739)

Conversions

Conversions Part 1

Format	Color
Hex	49C1E9
RGB	73, 193, 233
RGB Percent	29%, 76%, 91%
CMY	0.7132, 0.2432, 0.0863
CMYK	0.69, 0.17, 0.00, 0.09
HSL	195°, 78%, 60%
HSV	195°, 69%, 91%
XYZ	36.5309, 45.4396, 83.9281
YIQ	161.6800, -84.3600, -13.0000

Conversions

Conversions Part 2

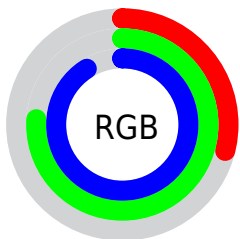
Format	Color
R_{YB}	73, 142, 233
Decimal	4833769
CIE _{Lab}	73.18, -20.87, -29.62
CIE _{LCh}	73, 36.230, 234.836
Yxy	45.4396, 0.2202, 0.2739
Android (android.graphics.Color)	4283023849 (0xFF49C1E9)
YUV	161.6800, 35.1608, -77.7724
Hunter-Lab	67.4089, -21.2312, -26.6333

Details

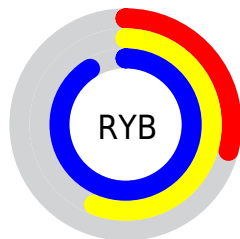
The Yxy color **45.4396, 0.2202, 0.2739** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **29.6421, 0.5074, 0.3693**, and the grayscale version is **35.8519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0802, 0.2506, 0.3231**, and **21.6396, 0.2052, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **42.1669, 0.2121, 0.2645**, and if you desaturate by 10%, it is **49.1580, 0.2302, 0.2832**.

Distribution



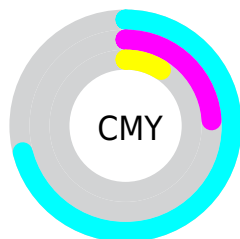
- Red (29%)
- Green (76%)
- Blue (91%)



- Red (29%)
- Yellow (56%)
- Blue (91%)



- Cyan (69%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)




- Cyan (71%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4396, 0.2202, 0.2739 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 45.4396, 0.2202, 0.2739 by changing the saturation by 10% instead.


 45.4396, 0.2202,
0.2739


 45.4396, 0.2202,
0.2739


368.5510, 0.2646,
0.3023


 31.8038, 0.2098,
0.2667


 83.3797, 0.2358,
0.2843

 21.2117, 0.1969,
0.2576


 108.4528, 0.2419,
0.2882

 13.2788, 0.1806,
0.2454


 138.1071, 0.2470,
0.2915

 7.6208, 0.1593,
0.2288

 172.7271, 0.2515,
0.2942

 3.8533, 0.1311,
0.2049

212.6970, 0.2554,
0.2967

 1.5918, 0.0932,
0.1690

258.4014, 0.2588,

 0.3521, 0.0000,

0.2988

0.0950

310.2246, 0.2619,
0.3006

■ 0.0000, 0.0000,
0.0000

■ 45.4396, 0.2202,
0.2739

■ 45.4396, 0.2202,
0.2739

■ 42.1669, 0.2121,
0.2645

■ 49.1580, 0.2302,
0.2832

■ 39.2937, 0.2061,
0.2551

■ 53.3524, 0.2419,
0.2922


■ 36.7609, 0.2018,
0.2459


■ 58.0555, 0.2550,
0.3009

■ 36.4255, 0.2013,
0.2446

■ 63.2954, 0.2692,
0.3090

■ 69.0977, 0.2841,
0.3166

 75.4864, 0.2994,
0.3235

 82.4836, 0.3149,
0.3298

 89.2435, 0.3271,
0.3355

 92.7239, 0.3265,
0.3412

Harmonies

Analogous

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



45.4396, 0.2291, 0.3153



45.4396, 0.2202, 0.2739



45.4396, 0.2330, 0.2515

Triad

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



45.4396, 0.2202, 0.2739



45.4396, 0.3655, 0.2938



45.4396, 0.3551, 0.4218

Complementary

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



45.4396, 0.2202, 0.2739



29.6421, 0.5074, 0.3693

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.



45.4396, 0.3958, 0.4060



45.4396, 0.2202, 0.2739



45.4396, 0.4036, 0.3320

Square

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



45.4396, 0.2202, 0.2739



45.4396, 0.3140, 0.2644



45.4396, 0.4145, 0.3722



45.4396, 0.3050, 0.4081

Rectangle

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



45.4396, 0.2202, 0.2739



45.4396, 0.2530, 0.2478



45.4396, 0.4145, 0.3722



45.4396, 0.3704, 0.4193

Sweetspot

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



45.4412, 0.2202, 0.2739



82.9678, 0.2803, 0.3148



60.8881, 0.2875, 0.5018



17.3309, 0.2762, 0.3127



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.



45.4412, 0.2202, 0.2739



50.3620, 0.2096, 0.2609



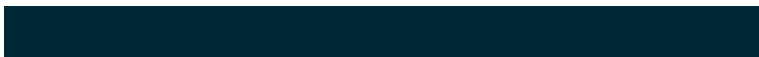
19.1347, 0.1915, 0.1568



16.4465, 0.2981, 0.3230



20.8772, 0.2017, 0.2460



1.7900, 0.2052, 0.2589

Inverse Universe

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



25.9535, 0.3660, 0.2083



27.5030, 0.3802, 0.1975



55.9553, 0.4341, 0.4508



15.2456, 0.3176, 0.3115



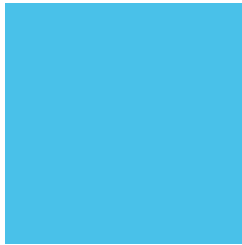
11.6004, 0.3962, 0.1956



0.9261, 0.3835, 0.1886

Previews

White Background



This preview shows how the Yxy color 45.4396, 0.2202, 0.2739 looks on a white background.

Color Contrast Check

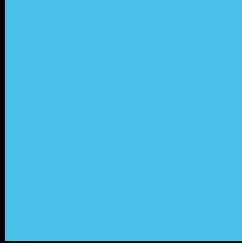
Large Text (above 18pt) WCAG AA × Fail

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 45.4396, 0.2202, 0.2739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

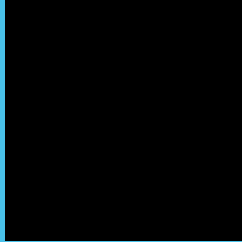
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4396, 0.2202, 0.2739

Background



This preview shows how black text looks on a background with the Yxy color 45.4396, 0.2202, 0.2739.



This preview shows how white text looks on a background with the Yxy color 45.4396, 0.2202, 0.2739.

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

45.4396, 0.2202, 0.2739

Protanopia

44.9896, 0.2729, 0.2733

Deuteranopia

45.0576, 0.2597, 0.2538



Tritanopia

45.6466, 0.2267, 0.3070

Trichromacy



Original Color

45.4396, 0.2202, 0.2739

Protanomaly

44.3715, 0.2485, 0.2732

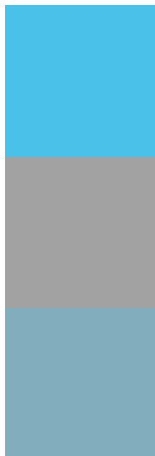
Deuteranomaly

44.3373, 0.2407, 0.2588

Tritanomaly

45.7710, 0.2243, 0.2947

Monochromacy



Original Color

45.4396, 0.2202, 0.2739

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

38.2638, 0.2664, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4396, 0.2202, 0.2739 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(73, 193, 233)` looks like.

```
.text, #text, p{  
    color:rgb(73, 193, 233)  
}
```

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(73, 193, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 193, 233) }
```

Border

The CSS property to change the border of an element to Yxy 45.4396, 0.2202, 0.2739 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(73, 193, 233) }
```

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

```
.border{ border-color:rgb(73, 193, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 193, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 193, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 193, 233);  
box-shadow:4px 4px 4px 4px rgb(73, 193,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4396, 0.2202, 0.2739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 193, 233) }
```

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

```
.background{ background-color: rgb(73, 193,  
233) }
```

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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