

Converting Colors

$Y_{xy}(45.2549, 0.2165, 0.2807)$

Have a look what the booklet for
Yxy(45.2549, 0.2165, 0.2807)
contains.

Yxy(45.3403, 0.2165, 0.2811)	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(45.3403, 0.2165, 0.2811)

Conversions

Conversions Part 1

Format	Color
Hex	31C3E5
RGB	49, 195, 229
RGB Percent	19%, 76%, 90%
CMY	0.8081, 0.2353, 0.1020
CMYK	0.79, 0.15, 0.00, 0.10
HSL	191°, 78%, 54%
HSV	191°, 79%, 90%
XYZ	34.9206, 45.3403, 81.0351
YIQ	155.2220, -97.9300, -20.3780

Conversions

Conversions Part 2

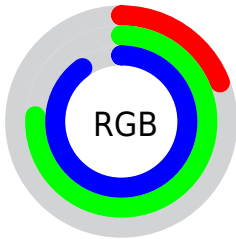
Format	Color
R _Y B	49, 130, 229
Decimal	3261413
CIE Lab	73.12, -26.01, -27.60
CIE LCh	73, 37.922, 226.700
Yxy	45.3403, 0.2165, 0.2811
Android (android.graphics.Color)	4281451493 (0xFF31C3E5)
YUV	155.2220, 36.3726, -93.1567
Hunter-Lab	67.3352, -25.2651, -24.2184

Details

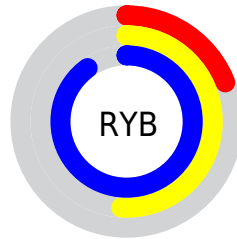
The Yxy color **45.3403, 0.2165, 0.2811** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **23.0510, 0.5578, 0.3576**, and the grayscale version is **32.7413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1259, 0.2453, 0.3254**, and **22.0669, 0.2081, 0.2690** is the 20% darker color. If you saturate the color by 10%, you get **43.0018, 0.2113, 0.2742**, and if you desaturate by 10%, it is **48.0269, 0.2237, 0.2880**.

Distribution



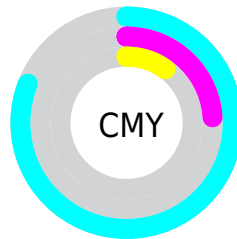
- Red (19%)
- Green (76%)
- Blue (90%)



- Red (19%)
- Yellow (51%)
- Blue (90%)



- Cyan (79%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)



- Cyan (81%)
- Magenta (24%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3403, 0.2165, 0.2811 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 45.3403, 0.2165, 0.2811 by changing the saturation by 10% instead.

45.3403, 0.2165,
0.2811

45.3403, 0.2165,
0.2811

368.1500, 0.2627,
0.3063

31.7256, 0.2057,
0.2746

83.2308, 0.2327,
0.2904

21.1520, 0.1924,
0.2662

108.2754, 0.2390,
0.2939

13.2351, 0.1754,
0.2549

137.8987, 0.2444,
0.2968

7.5907, 0.1535,
0.2393

172.4851, 0.2490,
0.2993

3.8342, 0.1244,
0.2163

212.4191, 0.2531,
0.3014

1.5812, 0.0853,
0.1810

258.0850, 0.2566,

0.3449, 0.0000,

0.3032

0.1024

309.8672, 0.2598,
0.3048

0.0000, 0.0000,
0.0000

45.3403, 0.2165,
0.2811

45.3403, 0.2165,
0.2811

43.0018, 0.2113,
0.2742

48.0269, 0.2237,
0.2880

40.9486, 0.2078,
0.2674

51.0956, 0.2328,
0.2948

40.6798, 0.2074,
0.2665

54.5813, 0.2437,
0.3015

58.5131, 0.2561,
0.3079

62.9172, 0.2697,
0.3140

67.8176, 0.2843,
0.3196

73.2368, 0.2994,
0.3249

79.1953, 0.3148,
0.3296

85.7093, 0.3303,
0.3339

Harmonies

Analogous

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



45.3403, 0.2319, 0.3286



45.3403, 0.2165, 0.2811



45.3403, 0.2238, 0.2523

Triad

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



45.3403, 0.2165, 0.2811



45.3403, 0.3539, 0.2828



45.3403, 0.3700, 0.4243

Complementary

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



45.3403, 0.2165, 0.2811



23.0510, 0.5578, 0.3576

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.



45.3403, 0.4076, 0.4009



45.3403, 0.2165, 0.2811



45.3403, 0.3995, 0.3206

Square

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



45.3403, 0.2165, 0.2811



45.3403, 0.2993, 0.2557



45.3403, 0.4195, 0.3626



45.3403, 0.3188, 0.4194

Rectangle

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



45.3403, 0.2165, 0.2811



45.3403, 0.2408, 0.2448



45.3403, 0.4195, 0.3626



45.3403, 0.3847, 0.4190

Sweetspot

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



45.3419, 0.2165, 0.2811



83.0333, 0.2762, 0.3166



57.2950, 0.2920, 0.5431



17.3042, 0.2710, 0.3145



0.0000, 0.0000, 0.0000



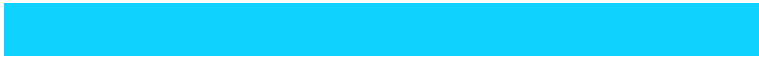
21.4041, 0.3127, 0.3290

Same Dimension

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



45.3419, 0.2165, 0.2811



53.2986, 0.2091, 0.2702



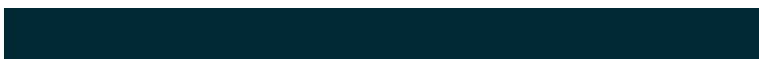
16.6049, 0.1812, 0.1464



15.8496, 0.2981, 0.3245



23.4273, 0.2077, 0.2676



1.8509, 0.2104, 0.2775

Inverse Universe

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



22.7879, 0.3611, 0.1902



26.2513, 0.3724, 0.1844



46.3728, 0.4608, 0.4488



14.5661, 0.3167, 0.3101



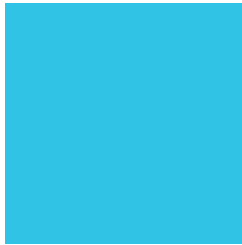
11.5627, 0.3751, 0.1840



0.8665, 0.3658, 0.1789

Previews

White Background



This preview shows how the Yxy color 45.3403, 0.2165, 0.2811 looks on a white background.

Color Contrast Check

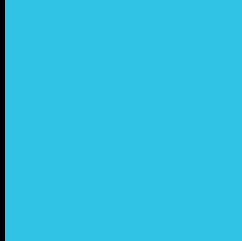
Large Text (above 18pt) WCAG AA × Fail

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 45.3403, 0.2165, 0.2811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

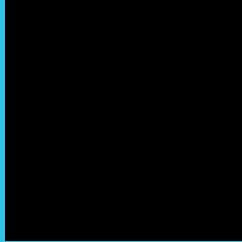
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3403, 0.2165, 0.2811

Background



This preview shows how black text looks on a background with the Yxy color 45.3403, 0.2165, 0.2811.



This preview shows how white text looks on a background with the Yxy color 45.3403, 0.2165, 0.2811.

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

45.3403, 0.2165, 0.2811

Protanopia

44.4436, 0.2769, 0.2779

Deuteranopia

44.5425, 0.2627, 0.2569



Tritanopia

45.5503, 0.2208, 0.3054

Trichromacy



Original Color

45.3403, 0.2165, 0.2811



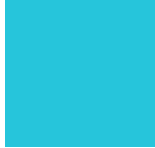
Protanomaly

43.4474, 0.2454, 0.2773



Deuteranomaly

43.4930, 0.2383, 0.2626



Tritanomaly

45.4590, 0.2192, 0.2971

Monochromacy



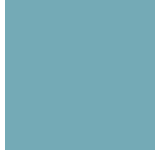
Original Color

45.3403, 0.2165, 0.2811



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.8399, 0.2600, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3403, 0.2165, 0.2811 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(49, 195, 229)` looks like.

```
.text, #text, p{  
    color:rgb(49, 195, 229)  
}
```

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(49, 195, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 195, 229) }
```

Border

The CSS property to change the border of an element to Yxy 45.3403, 0.2165, 0.2811 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(49, 195, 229) }
```

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

```
.border{ border-color:rgb(49, 195, 229) }
```

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

Here you see how a box with a 4 pixel rgb(49, 195, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 195, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 195, 229);  
box-shadow:4px 4px 4px 4px rgb(49, 195,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3403, 0.2165, 0.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 195, 229) }
```

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

```
.background{ background-color: rgb(49, 195,  
229) }
```

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