

Converting Colors

$Y_{xy}(45.5961, 0.2121, 0.2835)$

Have a look what the booklet for
Yxy(45.5961, 0.2121, 0.2835)
contains.

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Color

Yxy(45.5896, 0.2121, 0.2835)

Conversions

Conversions Part 1

Format	Color
Hex	00C5E5
RGB	0, 197, 229
RGB Percent	0%, 77%, 90%
CMY	0.9991, 0.2274, 0.1021
CMYK	1.00, 0.14, 0.00, 0.10
HSL	188°, 100%, 45%
HSV	188°, 100%, 90%
XYZ	34.1078, 45.5896, 81.1125
YIQ	141.7450, -127.6840, -31.8120

Conversions

Conversions Part 2

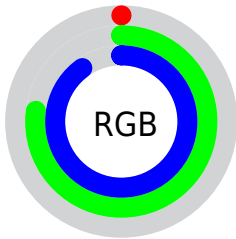
Format	Color
RYB	0, 106, 229
Decimal	50661
CIELab	73.28, -29.51, -27.38
CIELCh	73, 40.252, 222.851
Yxy	45.5896, 0.2121, 0.2835
Android (android.graphics.Color)	4278240741 (0xFF00C5E5)
YUV	141.7450, 43.0167, -124.3104
Hunter-Lab	67.5201, -27.9908, -23.9616

Details

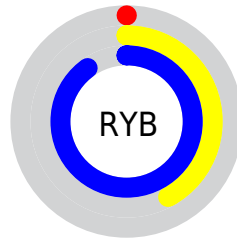
The Yxy color **45.5896, 0.2121, 0.2835** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **17.6980, 0.6287, 0.3389**, and the grayscale version is **26.8359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3548, 0.2408, 0.3276**, and **22.6621, 0.2092, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **45.5759, 0.2121, 0.2835**, and if you desaturate by 10%, it is **47.2423, 0.2149, 0.2884**.

Distribution



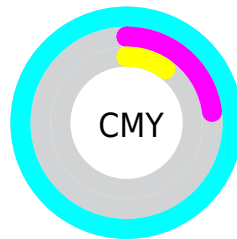
- Red (0%)
- Green (77%)
- Blue (90%)



- Red (0%)
- Yellow (42%)
- Blue (90%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5896, 0.2121, 0.2835 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 45.5896, 0.2121, 0.2835 by changing the saturation by 10% instead.


 45.5896, 0.2121,
0.2835


 45.5896, 0.2121,
0.2835


369.1562, 0.2602,
0.3077


 31.9221, 0.2009,
0.2772


 83.6045, 0.2290,
0.2925

 21.3020, 0.1871,
0.2690


 108.7206, 0.2355,
0.2958


 13.3449, 0.1697,
0.2579


 138.4217, 0.2411,
0.2986

 7.6665, 0.1472,
0.2425

 173.0923, 0.2459,
0.3010

 3.8823, 0.1176,
0.2198

 213.1166, 0.2502,
0.3030

 1.6079, 0.0777,
0.1847

258.8791, 0.2539,

 0.3629, 0.0000,

0.3048

0.1069

310.7642, 0.2572,
0.3063

■ 0.0000, 0.0000,
0.0000

■ 45.5896, 0.2121,
0.2835

■ 45.5896, 0.2121,
0.2835

■ 45.5759, 0.2121,
0.2835

■ 47.2423, 0.2149,
0.2884

■ 49.1399, 0.2192,
0.2933

■ 51.3519, 0.2254,
0.2983

■ 53.9181, 0.2336,
0.3033

■ 56.8718, 0.2436,
0.3082

■ 60.2424, 0.2553,
0.3129

■ 64.0562, 0.2684,
0.3173

■ 68.3373, 0.2825,
0.3216

■ 73.1077, 0.2975,
0.3255

Harmonies

Analogous

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



45.5896, 0.2311, 0.3358



45.5896, 0.2121, 0.2835



45.5896, 0.2168, 0.2506

Triad

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



45.5896, 0.2121, 0.2835



45.5896, 0.3489, 0.2758



45.5896, 0.3791, 0.4281

Complementary

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



45.5896, 0.2121, 0.2835



17.6980, 0.6287, 0.3389

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.



45.5896, 0.4163, 0.3999



45.5896, 0.2121, 0.2835



45.5896, 0.3998, 0.3143

Square

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



45.5896, 0.2121, 0.2835



45.5896, 0.2912, 0.2493



45.5896, 0.4250, 0.3582



45.5896, 0.3260, 0.4280

Rectangle

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



45.5896, 0.2121, 0.2835



45.5896, 0.2326, 0.2410



45.5896, 0.4250, 0.3582



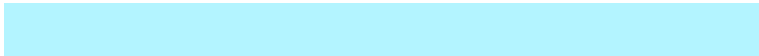
45.5896, 0.3940, 0.4211

Sweetspot

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



45.5912, 0.2121, 0.2835



81.6310, 0.2680, 0.3172



56.1244, 0.2975, 0.5908



17.0167, 0.2623, 0.3154



0.0000, 0.0000, 0.0000



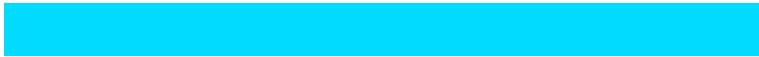
21.4041, 0.3127, 0.3290

Same Dimension

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



45.5912, 0.2121, 0.2835



58.0707, 0.2120, 0.2832



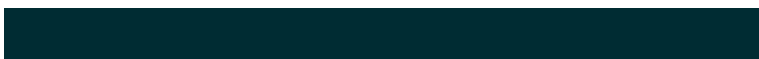
12.0128, 0.1652, 0.1146



15.9748, 0.2981, 0.3256



26.1979, 0.2123, 0.2842



2.0308, 0.2143, 0.2914

Inverse Universe

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



20.6902, 0.3602, 0.1758



26.3934, 0.3605, 0.1760



36.9355, 0.5036, 0.4382



14.5788, 0.3159, 0.3090



11.8424, 0.3596, 0.1755



0.8847, 0.3531, 0.1719

Previews

White Background



This preview shows how the Yxy color 45.5896, 0.2121, 0.2835 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 45.5896, 0.2121, 0.2835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

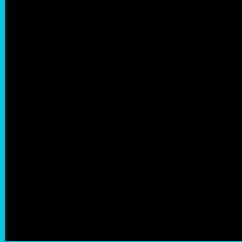
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5896, 0.2121, 0.2835

Background



This preview shows how black text looks on a background with the Yxy color 45.5896, 0.2121, 0.2835.



This preview shows how white text looks on a background with the Yxy color 45.5896, 0.2121, 0.2835.

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

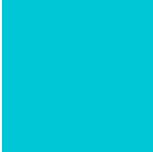
45.5896, 0.2121, 0.2835

Protanopia

44.8966, 0.2784, 0.2805

Deuteranopia

45.0982, 0.2630, 0.2572



Tritanopia

45.7019, 0.2186, 0.3068

Trichromacy



Original Color

45.5896, 0.2121, 0.2835



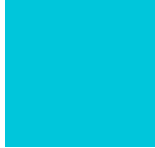
Protanomaly

42.6364, 0.2370, 0.2788



Deuteranomaly

43.1713, 0.2303, 0.2640



Tritanomaly

45.5026, 0.2162, 0.2983

Monochromacy



Original Color

45.5896, 0.2121, 0.2835



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.0703, 0.2463, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5896, 0.2121, 0.2835 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(0, 197, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 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(0, 197, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 229) }
```

Border

The CSS property to change the border of an element to Yxy 45.5896, 0.2121, 0.2835 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(0, 197, 229) }
```

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

```
.border{ border-color:rgb(0, 197, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 197, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 197, 229); box-shadow:4px 4px 4px 4px rgb(0, 197, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5896, 0.2121, 0.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 229) }
```

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

```
.background{ background-color: rgb(0, 197,  
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](#).

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