

Converting Colors

$Y_{xy}(40.3724, 0.1652, 0.2664)$

Have a look what the booklet for
Yxy(40.3724, 0.1652, 0.2664)
contains.

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Color

Yxy(45.5360, 0.2092, 0.2731)

Conversions

Conversions Part 1

Format	Color
Hex	00C4EC
RGB	0, 196, 236
RGB Percent	0%, 77%, 93%
CMY	1.0000, 0.2314, 0.0744
CMYK	1.00, 0.17, 0.00, 0.07
HSL	190°, 100%, 46%
HSV	190°, 100%, 93%
XYZ	34.8815, 45.5360, 86.3200
YIQ	141.9560, -129.6560, -29.1120

Conversions

Conversions Part 2

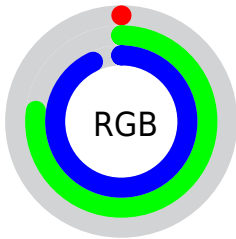
Format	Color
RYB	0, 107, 236
Decimal	50412
CIELab	73.24, -26.69, -31.24
CIELCh	73, 41.087, 229.484
Yxy	45.5360, 0.2092, 0.2731
Android (android.graphics.Color)	4278240492 (0xFF00C4EC)
YUV	141.9560, 46.3637, -124.4954
Hunter-Lab	67.4804, -25.8217, -28.6067

Details

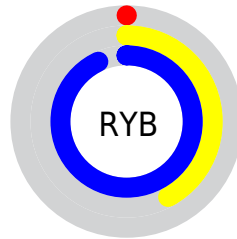
The Yxy color **45.5360, 0.2092, 0.2731** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **19.3545, 0.6249, 0.3420**, and the grayscale version is **26.8848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7856, 0.2409, 0.3265**, and **22.6413, 0.2055, 0.2598** is the 20% darker color. If you saturate the color by 10%, you get **45.5376, 0.2092, 0.2731**, and if you desaturate by 10%, it is **47.5564, 0.2123, 0.2791**.

Distribution



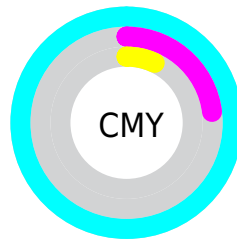
- Red (0%)
- Green (77%)
- Blue (93%)



- Red (0%)
- Yellow (42%)
- Blue (93%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)




- Cyan (100%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5360, 0.2092, 0.2731 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 45.5360, 0.2092, 0.2731 by changing the saturation by 10% instead.

 45.5360, 0.2092,
0.2731

 45.5360, 0.2092,
0.2731


368.9401, 0.2585,
0.3022


 31.8798, 0.1978,
0.2657


 83.5242, 0.2265,
0.2838


 21.2697, 0.1838,
0.2561


 108.6249, 0.2331,
0.2878

 13.3213, 0.1662,
0.2435


 138.3093, 0.2389,
0.2912

 7.6502, 0.1436,
0.2261

 172.9618, 0.2438,
0.2941

 3.8719, 0.1143,
0.2013

 212.9667, 0.2482,
0.2965

 1.6022, 0.0761,
0.1643

258.7085, 0.2520,

 0.3591, 0.0000,

0.2987

0.0898

310.5715, 0.2554,
0.3006

■ 0.0000, 0.0000,
0.0000

■ 45.5360, 0.2092,
0.2731

■ 45.5360, 0.2092,
0.2731

■ 45.5376, 0.2092,
0.2731

■ 47.5564, 0.2123,
0.2791

■ 49.8542, 0.2170,
0.2853

■ 52.5041, 0.2236,
0.2914

■ 55.5492, 0.2322,
0.2975

■ 59.0258, 0.2426,
0.3035

■ 62.9656, 0.2546,
0.3093

■ 67.3972, 0.2679,
0.3148

■ 72.3467, 0.2823,
0.3199

■ 77.8381, 0.2973,
0.3247

Harmonies

Analogous

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



45.5360, 0.2232, 0.3228



45.5360, 0.2092, 0.2731



45.5360, 0.2192, 0.2447

Triad

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



45.5360, 0.2092, 0.2731



45.5360, 0.3624, 0.2826



45.5360, 0.3693, 0.4332

Complementary

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



45.5360, 0.2092, 0.2731



19.3545, 0.6249, 0.3420

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.



45.5360, 0.4121, 0.4092



45.5360, 0.2092, 0.2731



45.5360, 0.4101, 0.3236

Square

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



45.5360, 0.2092, 0.2731



45.5360, 0.3033, 0.2525



45.5360, 0.4284, 0.3685



45.5360, 0.3134, 0.4252

Rectangle

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



45.5360, 0.2092, 0.2731



45.5360, 0.2386, 0.2383



45.5360, 0.4284, 0.3685



45.5360, 0.3857, 0.4280

Sweetspot

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



45.5376, 0.2092, 0.2731



80.2662, 0.2677, 0.3147



60.1496, 0.2964, 0.5869



16.6865, 0.2620, 0.3124



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.



45.5376, 0.2092, 0.2731



54.1899, 0.2091, 0.2729



11.6020, 0.1626, 0.1053



16.6619, 0.2981, 0.3249



25.2640, 0.2095, 0.2741



2.0988, 0.2118, 0.2825

Inverse Universe

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



21.8214, 0.3699, 0.1811



26.0017, 0.3701, 0.1813



42.0666, 0.4946, 0.4454



15.2674, 0.3164, 0.3097



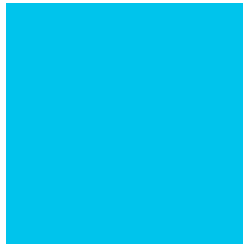
12.0432, 0.3690, 0.1806



0.9573, 0.3612, 0.1763

Previews

White Background



This preview shows how the Yxy color 45.5360, 0.2092, 0.2731 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 45.5360, 0.2092, 0.2731 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 45.5360, 0.2092, 0.2731

Background



This preview shows how black text looks on a background with the Yxy color 45.5360, 0.2092, 0.2731.



This preview shows how white text looks on a background with the Yxy color 45.5360, 0.2092, 0.2731.

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

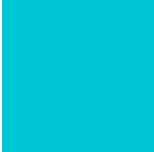
45.5360, 0.2092, 0.2731

Protanopia

45.0430, 0.2722, 0.2721

Deuteranopia

44.9786, 0.2553, 0.2491



Tritanopia

45.7019, 0.2186, 0.3068

Trichromacy



Original Color

45.5360, 0.2092, 0.2731



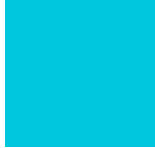
Protanomaly

42.9528, 0.2331, 0.2701



Deuteranomaly

42.9237, 0.2250, 0.2542



Tritanomaly

45.6621, 0.2151, 0.2942

Monochromacy



Original Color

45.5360, 0.2092, 0.2731



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.1489, 0.2451, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5360, 0.2092, 0.2731 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, 196, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 236)  
}
```

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, 196, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 236) }
```

Border

The CSS property to change the border of an element to Yxy 45.5360, 0.2092, 0.2731 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, 196, 236) }
```

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

```
.border{ border-color:rgb(0, 196, 236) }
```

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

Here you see how a box with a 4 pixel rgb(0, 196, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5360, 0.2092, 0.2731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 236) }
```

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

```
.background{ background-color: rgb(0, 196,  
236) }
```

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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