

Converting Colors

$Y_{xy}(45.1942, 0.2093, 0.2699)$

Have a look what the booklet for
Yxy(45.1942, 0.2093, 0.2699)
contains.

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Color

Yxy(45.2732, 0.2095, 0.2706)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 12C3ED |
| RGB | 18, 195, 237 |
| RGB Percent | 7%, 76%, 93% |
| CMY | 0.9279, 0.2353, 0.0707 |
| CMYK | 0.92, 0.18, 0.00, 0.07 |
| HSL | 192°, 86%, 50% |
| HSV | 192°, 92%, 93% |
| XYZ | 35.0508, 45.2732, 86.9828 |
| YIQ | 146.8650, -118.9740, -24.4620 |

Conversions

Conversions Part 2

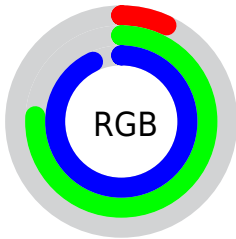
| Format | Color |
|-------------------------------------|---------------------------------|
| R _{YB} | 18, 116, 237 |
| Decimal | 1229805 |
| CIE Lab | 73.07, -25.37, -32.00 |
| CIE LCh | 73, 40.842, 231.592 |
| Yxy | 45.2732, 0.2095, 0.2706 |
| Android (android.graphics.Color) | 4279419885 (0xFF12C3ED) |
| YUV | 146.8650, 44.4366, -113.0146 |
| Hunter-Lab | 67.2854, -24.7639, -29.5471 |

Details

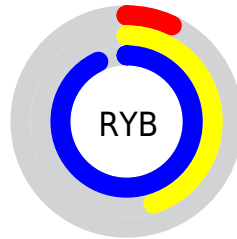
The Yxy color **45.2732, 0.2095, 0.2706** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **21.3101, 0.6036, 0.3509**, and the grayscale version is **29.0155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3515, 0.2416, 0.3253**, and **22.3859, 0.2045, 0.2563** is the 20% darker color. If you saturate the color by 10%, you get **43.5806, 0.2070, 0.2652**, and if you desaturate by 10%, it is **47.7060, 0.2141, 0.2776**.

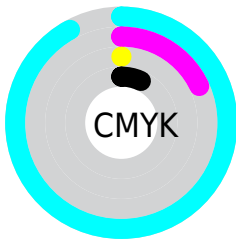
Distribution



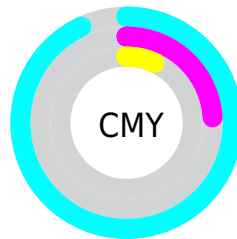
- Red (7%)
- Green (76%)
- Blue (93%)



- Red (7%)
- Yellow (45%)
- Blue (93%)



- Cyan (92%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)




- Cyan (93%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2732, 0.2095, 0.2706 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 45.2732, 0.2095, 0.2706 by changing the saturation by 10% instead.


 45.2732, 0.2095,
0.2706


 45.2732, 0.2095,
0.2706


 367.8789, 0.2587,
0.3009

 31.6727, 0.1981,
0.2629


 83.1302, 0.2267,
0.2817


 21.1116, 0.1841,
0.2531


 108.1555, 0.2334,
0.2859

 13.2056, 0.1665,
0.2401

 137.7578, 0.2391,
0.2894

 7.5703, 0.1440,
0.2223

 172.3216, 0.2441,
0.2924

 3.8212, 0.1147,
0.1970

 212.2312, 0.2484,
0.2949

 1.5741, 0.0766,
0.1595

 257.8710, 0.2522,

 0.3400, 0.0000,

0.2972

0.0838

309.6254, 0.2557,
0.2991

■ 0.0000, 0.0000,
0.0000

■ 45.2732, 0.2095,
0.2706

■ 45.2732, 0.2095,
0.2706

■ 43.5806, 0.2070,
0.2652

■ 47.7060, 0.2141,
0.2776

■ 50.4948, 0.2206,
0.2846

■ 53.6870, 0.2290,
0.2917

■ 57.3207, 0.2393,
0.2985

■ 61.4290, 0.2513,
0.3052

■ 66.0416, 0.2645,
0.3115

■ 71.1855, 0.2788,
0.3174

■ 76.8855, 0.2938,
0.3229

■ 83.1648, 0.3092,
0.3279

Harmonies

Analogous

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



45.2732, 0.2217, 0.3189



45.2732, 0.2095, 0.2706



45.2732, 0.2211, 0.2438

Triad

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



45.2732, 0.2095, 0.2706



45.2732, 0.3662, 0.2854



45.2732, 0.3654, 0.4334

Complementary

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



45.2732, 0.2095, 0.2706



21.3101, 0.6036, 0.3509

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.



45.2732, 0.4095, 0.4113



45.2732, 0.2095, 0.2706



45.2732, 0.4121, 0.3267

Square

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



45.2732, 0.2095, 0.2706



45.2732, 0.3074, 0.2544



45.2732, 0.4278, 0.3715



45.2732, 0.3095, 0.4228

Rectangle

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



45.2732, 0.2095, 0.2706



45.2732, 0.2415, 0.2385



45.2732, 0.4278, 0.3715



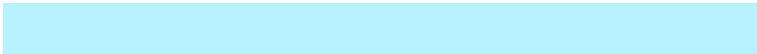
45.2732, 0.3821, 0.4290

Sweetspot

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



45.2748, 0.2095, 0.2706



80.4454, 0.2704, 0.3140



60.9892, 0.2940, 0.5728



16.6732, 0.2643, 0.3114



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.



45.2748, 0.2095, 0.2706



51.3855, 0.2069, 0.2650



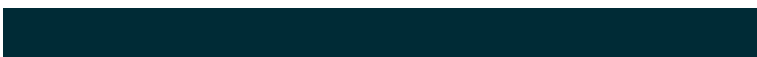
13.1573, 0.1669, 0.1156



16.6018, 0.2981, 0.3244



23.9867, 0.2073, 0.2664



2.0096, 0.2100, 0.2760

Inverse Universe

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



22.3831, 0.3719, 0.1851



25.7185, 0.3776, 0.1854



45.9534, 0.4811, 0.4514



15.2613, 0.3167, 0.3102



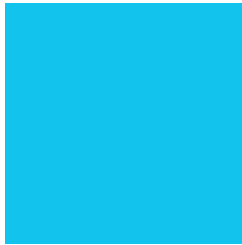
11.9143, 0.3763, 0.1846



0.9483, 0.3672, 0.1796

Previews

White Background



This preview shows how the Yxy color 45.2732, 0.2095, 0.2706 looks on a white background.

Color Contrast Check

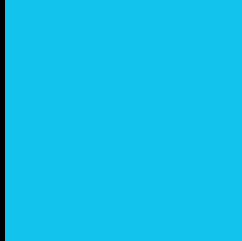
Large Text (above 18pt) WCAG AA × Fail

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 45.2732, 0.2095, 0.2706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

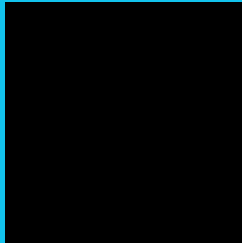
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2732, 0.2095, 0.2706

Background



This preview shows how black text looks on a background with the Yxy color 45.2732, 0.2095, 0.2706.



This preview shows how white text looks on a background with the Yxy color 45.2732, 0.2095, 0.2706.

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

45.2732, 0.2095, 0.2706

Protanopia

44.4854, 0.2700, 0.2694

Deuteranopia

44.7725, 0.2540, 0.2488



Tritanopia

45.2432, 0.2181, 0.3052

Trichromacy



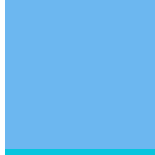
Original Color

45.2732, 0.2095, 0.2706



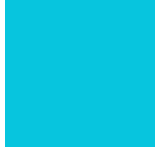
Protanomaly

42.9132, 0.2348, 0.2678



Deuteranomaly

43.3464, 0.2272, 0.2536



Tritanomaly

45.2516, 0.2150, 0.2927

Monochromacy



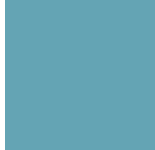
Original Color

45.2732, 0.2095, 0.2706



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

32.5555, 0.2493, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2732, 0.2095, 0.2706 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(18, 195, 237)` looks like.

```
.text, #text, p{  
    color:rgb(18, 195, 237)  
}
```

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(18, 195, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 195, 237) }
```

Border

The CSS property to change the border of an element to Yxy 45.2732, 0.2095, 0.2706 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(18, 195, 237) }
```

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

```
.border{ border-color:rgb(18, 195, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 195, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 195, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 195, 237);  
box-shadow:4px 4px 4px 4px rgb(18, 195,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2732, 0.2095, 0.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 195, 237) }
```

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

```
.background{ background-color: rgb(18, 195,  
237) }
```

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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