

Converting Colors

$Yxy(46.9567, 0.1786, 0.2872)$

Have a look what the booklet for
Yxy(46.9567, 0.1786, 0.2872)
contains.

Yxy(51.2262, 0.2137, 0.2893)	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(51.2262, 0.2137, 0.2893)

Conversions

Conversions Part 1

Format	Color
Hex	00D0ED
RGB	0, 208, 237
RGB Percent	0%, 82%, 93%
CMY	1.0000, 0.1843, 0.0706
CMYK	1.00, 0.12, 0.00, 0.07
HSL	187°, 100%, 46%
HSV	187°, 100%, 93%
XYZ	37.8397, 51.2262, 88.0035
YIQ	149.1140, -133.2770, -35.0770

Conversions

Conversions Part 2

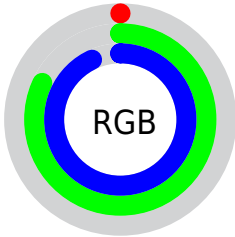
Format	Color
RYB	0, 111, 237
Decimal	53485
CIELab	76.82, -32.24, -26.27
CIELCh	77, 41.592, 219.172
Yxy	51.2262, 0.2137, 0.2893
Android (android.graphics.Color)	4278243565 (0xFF00D0ED)
YUV	149.1140, 43.3278, -130.7730
Hunter-Lab	71.5725, -30.8804, -22.8006

Details

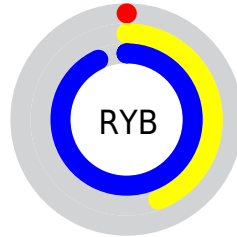
The Yxy color **51.2262, 0.2137, 0.2893** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **18.8803, 0.6312, 0.3370**, and the grayscale version is **29.9624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **26.1187, 0.2109, 0.2791** is the 20% darker color. If you saturate the color by 10%, you get **51.2280, 0.2137, 0.2893**, and if you desaturate by 10%, it is **52.8448, 0.2162, 0.2935**.

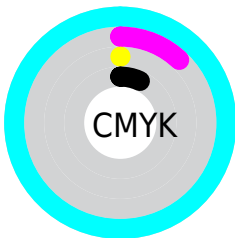
Distribution



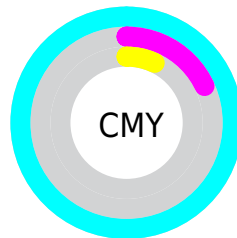
- Red (0%)
- Green (82%)
- Blue (93%)



- Red (0%)
- Yellow (44%)
- Blue (93%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (7%)




- Cyan (100%)
- Magenta (18%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2262, 0.2137, 0.2893 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 51.2262, 0.2137, 0.2893 by changing the saturation by 10% instead.

 51.2262, 0.2137,
0.2893

 51.2262, 0.2137,
0.2893


391.4420, 0.2602,
0.3103


 36.3887, 0.2031,
0.2839


 91.9890, 0.2298,
0.2971

 24.7345, 0.1901,
0.2769


 118.6831, 0.2361,
0.3000

 15.8794, 0.1738,
0.2675


 150.0982, 0.2415,
0.3024

 9.4388, 0.1529,
0.2544

 186.6187, 0.2462,
0.3044

 5.0285, 0.1258,
0.2354

 228.6289, 0.2504,
0.3062

 2.2640, 0.0901,
0.2059

276.5132, 0.2540,

 0.7546, 0.0000,

0.3077

0.1641

330.6561, 0.2573,
0.3091

■ 0.0000, 0.0000,
0.0000

■ 51.2262, 0.2137,
0.2893

■ 51.2262, 0.2137,
0.2893

■ 51.2280, 0.2137,
0.2893

■ 52.8448, 0.2162,
0.2935

■ 54.7204, 0.2203,
0.2978

■ 56.9281, 0.2262,
0.3022

■ 59.5114, 0.2342,
0.3065

■ 62.5066, 0.2440,
0.3107

■ 65.9456, 0.2554,
0.3148

■ 69.8571, 0.2683,
0.3187

■ 74.2671, 0.2824,
0.3224

■ 79.1997, 0.2973,
0.3259

Harmonies

Analogous

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



51.2262, 0.2355, 0.3429



51.2262, 0.2137, 0.2893



51.2262, 0.2155, 0.2538

Triad

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



51.2262, 0.2137, 0.2893



51.2262, 0.3416, 0.2721



51.2262, 0.3845, 0.4253

Complementary

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



51.2262, 0.2137, 0.2893



18.8803, 0.6312, 0.3370

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.



51.2262, 0.4185, 0.3949



51.2262, 0.2137, 0.2893



51.2262, 0.3941, 0.3093

Square

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



51.2262, 0.2137, 0.2893



51.2262, 0.2848, 0.2476



51.2262, 0.4230, 0.3527



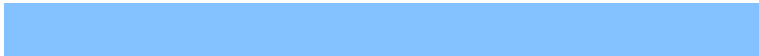
51.2262, 0.3328, 0.4293

Rectangle

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



51.2262, 0.2137, 0.2893



51.2262, 0.2295, 0.2425



51.2262, 0.4230, 0.3527



51.2262, 0.3984, 0.4173

Sweetspot

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



51.2280, 0.2137, 0.2893



82.4397, 0.2682, 0.3187



60.6433, 0.2980, 0.5928



17.2126, 0.2626, 0.3171



0.0000, 0.0000, 0.0000



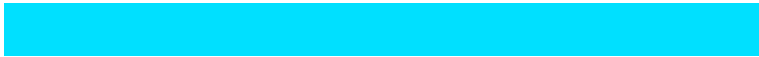
21.4041, 0.3127, 0.3290

Same Dimension

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



51.2280, 0.2137, 0.2893



60.4318, 0.2137, 0.2891



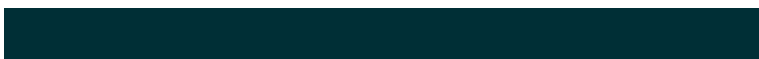
13.5695, 0.1663, 0.1187



16.7891, 0.2981, 0.3260



28.1031, 0.2139, 0.2900



2.2953, 0.2155, 0.2959

Inverse Universe

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



22.5567, 0.3550, 0.1729



26.6318, 0.3551, 0.1730



38.6041, 0.5087, 0.4343



15.2802, 0.3157, 0.3086



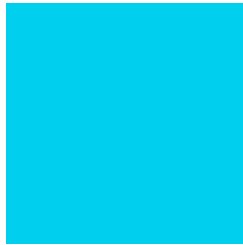
12.3298, 0.3543, 0.1726



0.9771, 0.3491, 0.1697

Previews

White Background



This preview shows how the Yxy color 51.2262, 0.2137, 0.2893 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 51.2262, 0.2137, 0.2893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

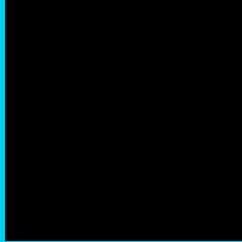
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2262, 0.2137, 0.2893

Background



This preview shows how black text looks on a background with the Yxy color 51.2262, 0.2137, 0.2893.



This preview shows how white text looks on a background with the Yxy color 51.2262, 0.2137, 0.2893.

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

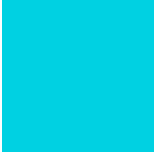
51.2262, 0.2137, 0.2893

Protanopia

50.2155, 0.2826, 0.2850

Deuteranopia

50.5737, 0.2676, 0.2616



Tritanopia

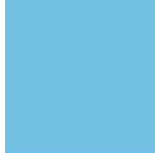
51.0919, 0.2181, 0.3050

Trichromacy



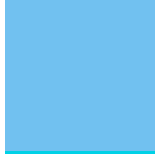
Original Color

51.2262, 0.2137, 0.2893



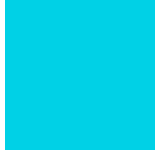
Protanomaly

47.7745, 0.2398, 0.2848



Deuteranomaly

47.9419, 0.2324, 0.2678



Tritanomaly

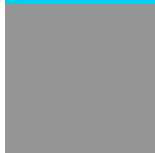
51.3141, 0.2166, 0.2997

Monochromacy



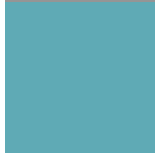
Original Color

51.2262, 0.2137, 0.2893



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.5185, 0.2474, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2262, 0.2137, 0.2893 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, 208, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 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(0, 208, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 237) }
```

Border

The CSS property to change the border of an element to Yxy 51.2262, 0.2137, 0.2893 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, 208, 237) }
```

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

```
.border{ border-color:rgb(0, 208, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2262, 0.2137, 0.2893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 237) }
```

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

```
.background{ background-color: rgb(0, 208,  
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](#).

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