

Converting Colors

$Yxy(51.5164, 0.2094, 0.2646)$

Have a look what the booklet for
Yxy(51.5164, 0.2094, 0.2646)
contains.

Yxy(51.2760, 0.2092, 0.2639)	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(51.2760, 0.2092, 0.2639)

Conversions

Conversions Part 1

Format	Color
Hex	25CDFF
RGB	37, 205, 255
RGB Percent	15%, 80%, 100%
CMY	0.8546, 0.1961, 0.0000
CMYK	0.85, 0.20, 0.00, 0.00
HSL	194°, 100%, 57%
HSV	194°, 85%, 100%
XYZ	40.6477, 51.2760, 102.3771
YIQ	160.4680, -116.1780, -20.0660

Conversions

Conversions Part 2

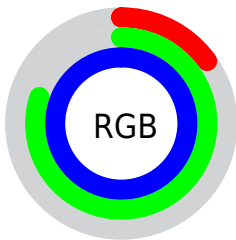
Format	Color
R _Y B	37, 132, 255
Decimal	2477567
CIE Lab	76.85, -23.49, -35.86
CIE LCh	77, 42.866, 236.768
Yxy	51.2760, 0.2092, 0.2639
Android (android.graphics.Color)	4280667647 (0xFF25CDFF)
YUV	160.4680, 46.6043, -108.2814
Hunter-Lab	71.6073, -23.9875, -34.6420



Details

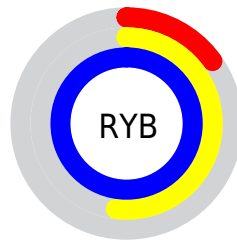
The Yxy color **51.2760, 0.2092, 0.2639** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **28.2225, 0.5765, 0.3616**, and the grayscale version is **35.2119, 0.3127, 0.3290**.




A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **26.2104, 0.2028, 0.2500** is the 20% darker color. If you saturate the color by 10%, you get **48.2100, 0.2048, 0.2554**, and if you desaturate by 10%, it is **54.7764, 0.2156, 0.2725**.

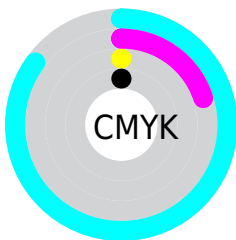
Distribution







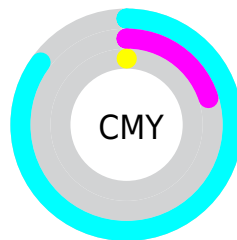
-  Red (15%)
-  Green (80%)
-  Blue (100%)






-  Red (15%)
-  Yellow (52%)
-  Blue (100%)



-  Cyan (85%)
-  Magenta (20%)
-  Yellow (0%)
-  Black (0%)




-  Cyan (85%)
-  Magenta (20%)
-  Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2760, 0.2092, 0.2639 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 51.2760, 0.2092, 0.2639 by changing the saturation by 10% instead.


 51.2760, 0.2092,
0.2639

 51.2760, 0.2092,
0.2639


 391.6352, 0.2574,
0.2965

 36.4283, 0.1984,
0.2560


 92.0626, 0.2258,
0.2756

 24.7652, 0.1851,
0.2460


 118.7703, 0.2323,
0.2801


 15.9022, 0.1687,
0.2331


 150.2002, 0.2380,
0.2839

 9.4550, 0.1480,
0.2159

 186.7365, 0.2428,
0.2871

 5.0391, 0.1215,
0.1923

 228.7638, 0.2471,
0.2900

 2.2702, 0.0876,
0.1589

 276.6664, 0.2510,

 0.7579, 0.0219,

0.2924

0.1131

330.8287, 0.2544,
0.2946

■ 0.0000, 0.0000,
0.0000

■ 51.2760, 0.2092,
0.2639

■ 51.2760, 0.2092,
0.2639

■ 48.2100, 0.2048,
0.2554

■ 54.7764, 0.2156,
0.2725

■ 46.9224, 0.2032,
0.2516

■ 58.7695, 0.2239,
0.2811

■ 63.3045, 0.2342,
0.2895

■ 68.4232, 0.2461,
0.2977

■ 74.1630, 0.2594,
0.3055

■ 80.5574, 0.2738,
0.3129

■ 87.6374, 0.2888,
0.3196

■ 95.4317, 0.3042,
0.3259

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



51.2760, 0.2173, 0.3091



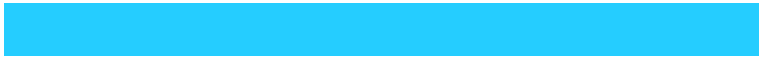
51.2760, 0.2092, 0.2639



51.2760, 0.2249, 0.2410

Triad

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



51.2760, 0.2092, 0.2639



51.2760, 0.3761, 0.2917



51.2760, 0.3564, 0.4349

Complementary

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



51.2760, 0.2092, 0.2639



28.2225, 0.5765, 0.3616

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.



51.2760, 0.4039, 0.4174



51.2760, 0.2092, 0.2639



51.2760, 0.4180, 0.3344

Square

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



51.2760, 0.2092, 0.2639



51.2760, 0.3176, 0.2583



51.2760, 0.4278, 0.3793



51.2760, 0.2996, 0.4178

Rectangle

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



51.2760, 0.2092, 0.2639



51.2760, 0.2479, 0.2381



51.2760, 0.4278, 0.3793



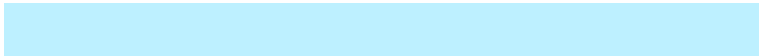
51.2760, 0.3740, 0.4324

Sweetspot

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



51.2766, 0.2092, 0.2639



80.1959, 0.2730, 0.3125



72.5593, 0.2908, 0.5533



16.6776, 0.2679, 0.3100



0.0000, 0.0000, 0.0000



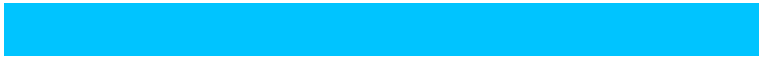
21.4041, 0.3127, 0.3290

Same Dimension

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



51.2766, 0.2092, 0.2639



46.9224, 0.2032, 0.2516



16.5041, 0.1706, 0.1211



19.7330, 0.2980, 0.3234



24.7551, 0.2036, 0.2530



2.5743, 0.2063, 0.2627

Inverse Universe

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



26.9954, 0.3778, 0.1927



25.2680, 0.3906, 0.1926



59.6464, 0.4654, 0.4573



18.2249, 0.3173, 0.3109



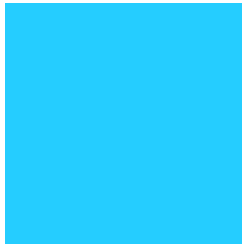
13.2270, 0.3892, 0.1918



1.3044, 0.3798, 0.1866

Previews

White Background



This preview shows how the Yxy color 51.2760, 0.2092, 0.2639 looks on a white background.

Color Contrast Check

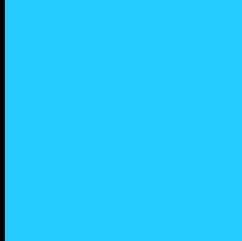
Large Text (above 18pt) WCAG AA × Fail

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 51.2760, 0.2092, 0.2639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

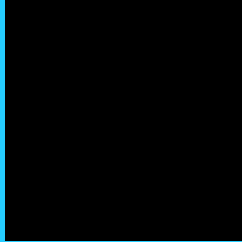
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2760, 0.2092, 0.2639

Background



This preview shows how black text looks on a background with the Yxy color 51.2760, 0.2092, 0.2639.

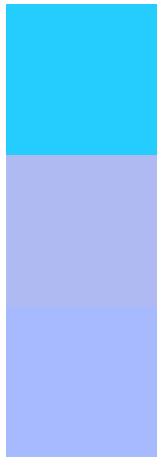


This preview shows how white text looks on a background with the Yxy color 51.2760, 0.2092, 0.2639.

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

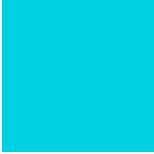
51.2760, 0.2092, 0.2639

Protanopia

50.4674, 0.2656, 0.2633

Deuteranopia

50.5533, 0.2530, 0.2481



Tritanopia

51.0919, 0.2181, 0.3050

Trichromacy



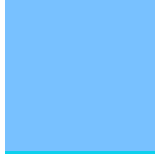
Original Color

51.2760, 0.2092, 0.2639



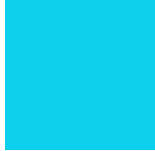
Protanomaly

49.0788, 0.2348, 0.2618



Deuteranomaly

49.3530, 0.2289, 0.2518



Tritanomaly

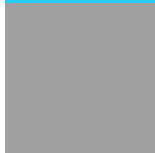
51.3117, 0.2143, 0.2893

Monochromacy



Original Color

51.2760, 0.2092, 0.2639



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

38.6356, 0.2526, 0.3008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2760, 0.2092, 0.2639 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(37, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(37, 205, 255)  
}
```

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(37, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 205, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.2760, 0.2092, 0.2639 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(37, 205, 255) }
```

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

```
.border{ border-color:rgb(37, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(37, 205,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2760, 0.2092, 0.2639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 205, 255) }
```

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

```
.background{ background-color: rgb(37, 205,  
255) }
```

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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