

Converting Colors

$Y_{xy}(43.8722, 0.2018, 0.2415)$

Have a look what the booklet for
Yxy(43.8722, 0.2018, 0.2415)
contains.

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Color

Yxy(43.8094, 0.2017, 0.2413)

Conversions

Conversions Part 1

Format	Color
Hex	18BDFF
RGB	24, 189, 255
RGB Percent	9%, 74%, 100%
CMY	0.9065, 0.2588, 0.0000
CMYK	0.91, 0.26, 0.00, 0.00
HSL	197°, 100%, 55%
HSV	197°, 91%, 100%
XYZ	36.6198, 43.8094, 101.1265
YIQ	147.1890, -119.5260, -14.4540

Conversions

Conversions Part 2

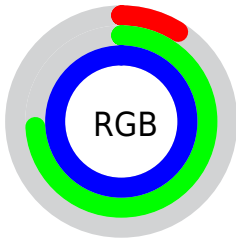
Format	Color
R _Y B	24, 120, 255
Decimal	1621503
CIE Lab	72.10, -15.92, -43.24
CIE LCh	72, 46.072, 249.788
Yxy	43.8094, 0.2017, 0.2413
Android (android.graphics.Color)	4279811583 (0xFF18BDFF)
YUV	147.1890, 53.1508, -108.0368
Hunter-Lab	66.1887, -17.0726, -44.2543

Details

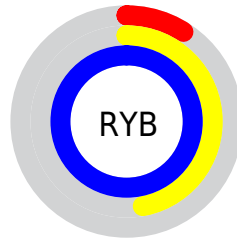
The Yxy color **43.8094, 0.2017, 0.2413** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **28.6076, 0.5800, 0.3684**, and the grayscale version is **29.0548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3764, 0.2416, 0.3171**, and **21.6855, 0.1953, 0.2229** is the 20% darker color. If you saturate the color by 10%, you get **40.7580, 0.1976, 0.2313**, and if you desaturate by 10%, it is **47.4910, 0.2078, 0.2522**.

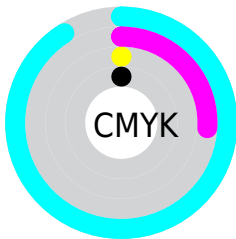
Distribution



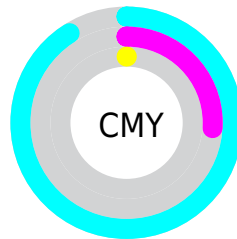
- Red (9%)
- Green (74%)
- Blue (100%)



- Red (9%)
- Yellow (47%)
- Blue (100%)



- Cyan (91%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)





- Cyan (91%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.8094, 0.2017, 0.2413 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 43.8094, 0.2017, 0.2413 by changing the saturation by 10% instead.


 43.8094, 0.2017,
0.2413

 43.8094, 0.2017,
0.2413


 361.9299, 0.2544,
0.2850


 30.5207, 0.1897,
0.2308


 80.9309, 0.2200,
0.2569

 20.2341, 0.1751,
0.2177


 105.5324, 0.2271,
0.2629


 12.5654, 0.1569,
0.2010


 134.6737, 0.2333,
0.2679

 7.1299, 0.1340,
0.1792

 168.7391, 0.2386,
0.2723

 3.5435, 0.1050,
0.1501

 208.1130, 0.2433,
0.2761

 1.4216, 0.0692,
0.1111

253.1799, 0.2474,

 0.2326, 0.0000,

0.2794

0.0398

304.3240, 0.2511,
0.2824

■ 0.0000, 0.0000,
0.0000

■ 43.8094, 0.2017,
0.2413

■ 43.8094, 0.2017,
0.2413

■ 40.7580, 0.1976,
0.2313

■ 47.4910, 0.2078,
0.2522

■ 51.6894, 0.2160,
0.2631

■ 56.4607, 0.2261,
0.2739

■ 61.8511, 0.2380,
0.2845

■ 67.9011, 0.2513,
0.2946

■ 74.6469, 0.2656,
0.3042

■ 82.1219, 0.2807,
0.3130

■ 90.3569, 0.2962,
0.3212

■ 99.3807, 0.3117,
0.3285

Harmonies

Analogous

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



43.8094, 0.1989, 0.2807



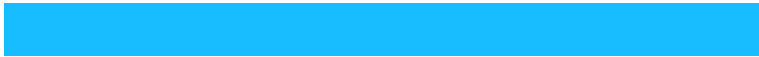
43.8094, 0.2017, 0.2413



43.8094, 0.2298, 0.2274

Triad

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



43.8094, 0.2017, 0.2413



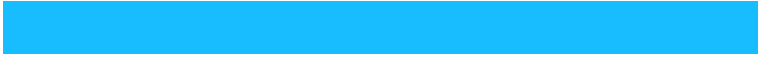
43.8094, 0.4088, 0.3065



43.8094, 0.3334, 0.4470

Complementary

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



43.8094, 0.2017, 0.2413



28.6076, 0.5800, 0.3684

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.



43.8094, 0.3937, 0.4409



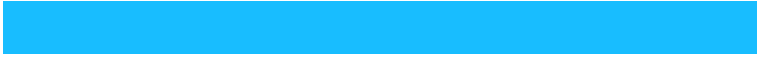
43.8094, 0.2017, 0.2413



43.8094, 0.4417, 0.3557

Square

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



43.8094, 0.2017, 0.2413



43.8094, 0.3473, 0.2644



43.8094, 0.4346, 0.4043



43.8094, 0.2708, 0.4094

Rectangle

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



43.8094, 0.2017, 0.2413



43.8094, 0.2618, 0.2311



43.8094, 0.4346, 0.4043



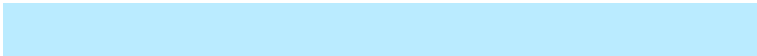
43.8094, 0.3546, 0.4496

Sweetspot

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



43.8109, 0.2017, 0.2413



77.2928, 0.2711, 0.3075



72.4345, 0.2877, 0.5492



16.0141, 0.2660, 0.3044



0.0000, 0.0000, 0.0000



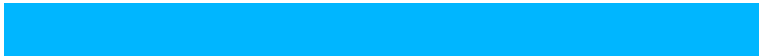
21.4041, 0.3127, 0.3290

Same Dimension

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



43.8109, 0.2017, 0.2413



40.7607, 0.1976, 0.2313



12.2998, 0.1617, 0.0953



19.5536, 0.2980, 0.3221



21.5660, 0.1981, 0.2331



2.2865, 0.2015, 0.2453

Inverse Universe

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



25.5801, 0.4004, 0.2018



24.6460, 0.4113, 0.2039



64.9440, 0.4573, 0.4699



18.2067, 0.3182, 0.3122



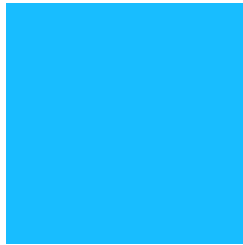
12.9051, 0.4094, 0.2029



1.2754, 0.3969, 0.1960

Previews

White Background



This preview shows how the Yxy color 43.8094, 0.2017, 0.2413 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 43.8094, 0.2017, 0.2413 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

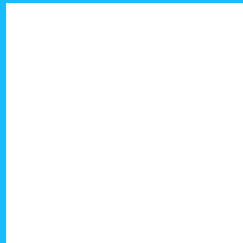
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.8094, 0.2017, 0.2413

Background



This preview shows how black text looks on a background with the Yxy color 43.8094, 0.2017, 0.2413.

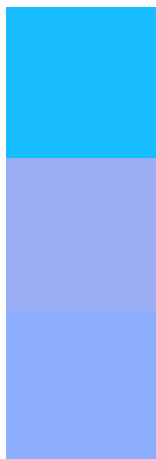


This preview shows how white text looks on a background with the Yxy color 43.8094, 0.2017, 0.2413.

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

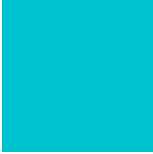
43.8094, 0.2017, 0.2413

Protanopia

43.2665, 0.2503, 0.2434

Deuteranopia

43.2429, 0.2356, 0.2298



Tritanopia

43.6834, 0.2184, 0.3063

Trichromacy



Original Color

43.8094, 0.2017, 0.2413

Protanomaly

42.0814, 0.2225, 0.2403

Deuteranomaly

42.1128, 0.2159, 0.2313

Tritanomaly

43.6890, 0.2120, 0.2814

Monochromacy



Original Color

43.8094, 0.2017, 0.2413

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

32.2106, 0.2463, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8094, 0.2017, 0.2413 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(24, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(24, 189, 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(24, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.8094, 0.2017, 0.2413 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(24, 189, 255) }
```

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

```
.border{ border-color:rgb(24, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(24, 189,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8094, 0.2017, 0.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 189, 255) }
```

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

```
.background{ background-color: rgb(24, 189,  
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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