

Converting Colors

$Yxy(42.3062, 0.2023, 0.2436)$

Have a look what the booklet for
Yxy(42.3062, 0.2023, 0.2436)
contains.

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Color

Yxy(42.1395, 0.2023, 0.2435)

Conversions

Conversions Part 1

Format	Color
Hex	17BAF9
RGB	23, 186, 249
RGB Percent	9%, 73%, 98%
CMY	0.9099, 0.2706, 0.0235
CMYK	0.91, 0.25, 0.00, 0.02
HSL	197°, 95%, 53%
HSV	197°, 91%, 98%
XYZ	35.0095, 42.1395, 95.9085
YIQ	144.4450, -117.3710, -14.9630

Conversions

Conversions Part 2

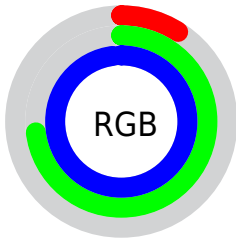
Format	Color
R _Y B	23, 118, 249
Decimal	1555193
CIE Lab	70.97, -16.44, -41.77
CIE LCh	71, 44.894, 248.515
Yxy	42.1395, 0.2023, 0.2435
Android (android.graphics.Color)	4279745273 (0xFF17BAF9)
YUV	144.4450, 51.5456, -106.5073
Hunter-Lab	64.9149, -17.3336, -42.1574

Details

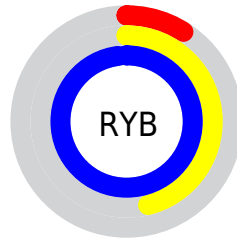
The Yxy color **42.1395, 0.2023, 0.2435** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **26.8506, 0.5817, 0.3671**, and the grayscale version is **27.8992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4373, 0.2401, 0.3135**, and **20.5808, 0.1959, 0.2252** is the 20% darker color. If you saturate the color by 10%, you get **39.3219, 0.1983, 0.2339**, and if you desaturate by 10%, it is **45.5798, 0.2083, 0.2541**.

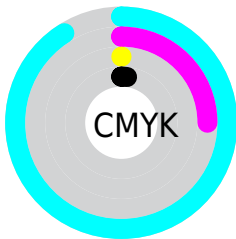
Distribution



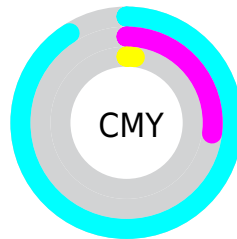
- Red (9%)
- Green (73%)
- Blue (98%)



- Red (9%)
- Yellow (46%)
- Blue (98%)



- Cyan (91%)
- Magenta (25%)
- Yellow (0%)
- Black (2%)





- Cyan (91%)
- Magenta (27%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1395, 0.2023, 0.2435 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 42.1395, 0.2023, 0.2435 by changing the saturation by 10% instead.


 42.1395, 0.2023,
0.2435


 42.1395, 0.2023,
0.2435


355.0609, 0.2551,
0.2865

 29.2105, 0.1902,
0.2331


 78.4107, 0.2207,
0.2590


 19.2401, 0.1753,
0.2199


 102.5217, 0.2279,
0.2648

 11.8439, 0.1568,
0.2031


 131.1289, 0.2340,
0.2698

 6.6375, 0.1333,
0.1808

 164.6167, 0.2394,
0.2741

 3.2364, 0.1035,
0.1509

 203.3693, 0.2440,
0.2778

 1.2564, 0.0662,
0.1105

247.7713, 0.2481,

 0.1071, 0.0000,

0.2811

0.0215

298.2070, 0.2518,
0.2839

■ 0.0000, 0.0000,
0.0000

■ 42.1395, 0.2023,
0.2435

■ 42.1395, 0.2023,
0.2435

■ 39.3219, 0.1983,
0.2339

■ 45.5798, 0.2083,
0.2541

■ 49.5014, 0.2163,
0.2647

■ 53.9576, 0.2263,
0.2753

■ 58.9915, 0.2381,
0.2855

■ 64.6414, 0.2513,
0.2954

70.9414, 0.2656,
0.3047

77.9228, 0.2806,
0.3133

85.6145, 0.2960,
0.3213

94.0436, 0.3115,
0.3285

Harmonies

Analogous

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



42.1395, 0.2007, 0.2836



42.1395, 0.2023, 0.2435



42.1395, 0.2291, 0.2287

Triad

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



42.1395, 0.2023, 0.2435



42.1395, 0.4054, 0.3049



42.1395, 0.3360, 0.4460

Complementary

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



42.1395, 0.2023, 0.2435



26.8506, 0.5817, 0.3671

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.



42.1395, 0.3950, 0.4385



42.1395, 0.2023, 0.2435



42.1395, 0.4394, 0.3534

Square

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



42.1395, 0.2023, 0.2435



42.1395, 0.3441, 0.2637



42.1395, 0.4342, 0.4016



42.1395, 0.2738, 0.4106

Rectangle

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



42.1395, 0.2023, 0.2435



42.1395, 0.2601, 0.2316



42.1395, 0.4342, 0.4016



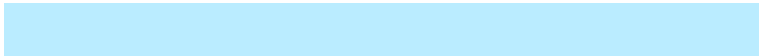
42.1395, 0.3568, 0.4480

Sweetspot

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



42.1409, 0.2023, 0.2435



77.5605, 0.2711, 0.3080



68.5601, 0.2888, 0.5532



16.0778, 0.2661, 0.3050



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.



42.1409, 0.2023, 0.2435



41.4729, 0.1983, 0.2338



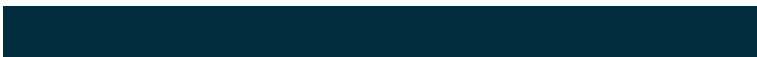
12.1501, 0.1626, 0.0987



18.7428, 0.2980, 0.3222



21.3004, 0.1988, 0.2356



2.1512, 0.2023, 0.2481

Inverse Universe

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



24.2963, 0.3982, 0.2006



24.7179, 0.4087, 0.2025



59.7973, 0.4609, 0.4670



17.4372, 0.3181, 0.3120



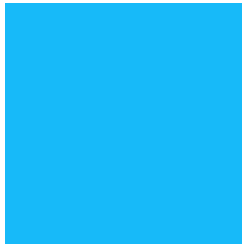
12.5612, 0.4068, 0.2015



1.1814, 0.3941, 0.1945

Previews

White Background



This preview shows how the Yxy color 42.1395, 0.2023, 0.2435 looks on a white background.

Color Contrast Check

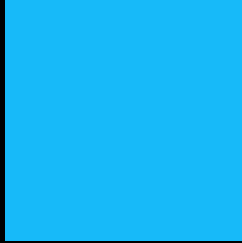
Large Text (above 18pt) WCAG AA × Fail

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 42.1395, 0.2023, 0.2435 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

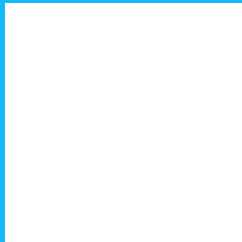
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1395, 0.2023, 0.2435

Background



This preview shows how black text looks on a background with the Yxy color 42.1395, 0.2023, 0.2435.



This preview shows how white text looks on a background with the Yxy color 42.1395, 0.2023, 0.2435.

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

42.1395, 0.2023, 0.2435

Protanopia

41.5779, 0.2518, 0.2455

Deuteranopia

41.6431, 0.2347, 0.2284



Tritanopia

42.1555, 0.2188, 0.3075

Trichromacy



Original Color

42.1395, 0.2023, 0.2435

Protanomaly

40.4657, 0.2238, 0.2425

Deuteranomaly

40.5571, 0.2157, 0.2311

Tritanomaly

42.1525, 0.2121, 0.2821

Monochromacy



Original Color

42.1395, 0.2023, 0.2435

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

30.8830, 0.2466, 0.2918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1395, 0.2023, 0.2435 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(23, 186, 249)` looks like.

```
.text, #text, p{  
    color:rgb(23, 186, 249)  
}
```

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(23, 186, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 186, 249) }
```

Border

The CSS property to change the border of an element to Yxy 42.1395, 0.2023, 0.2435 is called "border". The border property can be set on classes, ids or directly on the HTML element.

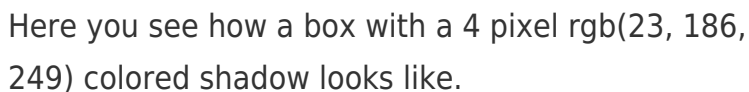
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(23, 186, 249) }
```

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

```
.border{ border-color:rgb(23, 186, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(23, 186, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(23, 186, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(23, 186, 249); box-shadow:4px 4px 4px 4px rgb(23, 186, 249) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 42.1395, 0.2023, 0.2435$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 186, 249) }
```

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

```
.background{ background-color: rgb(23, 186,  
249) }
```

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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