

Converting Colors

$Yxy(41.9792, 0.2036, 0.2429)$

Have a look what the booklet for
Yxy(41.9792, 0.2036, 0.2429)
contains.

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Color

Yxy(41.9125, 0.2034, 0.2423)

Conversions

Conversions Part 1

Format	Color
Hex	24B9F9
RGB	36, 185, 249
RGB Percent	14%, 73%, 98%
CMY	0.8580, 0.2745, 0.0234
CMYK	0.85, 0.26, 0.00, 0.02
HSL	198°, 95%, 56%
HSV	198°, 85%, 98%
XYZ	35.1837, 41.9125, 95.8815
YIQ	147.7450, -109.3480, -11.6840

Conversions

Conversions Part 2

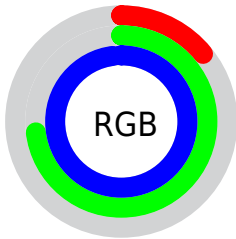
Format	Color
R _Y B	36, 124, 249
Decimal	2406905
CIE Lab	70.81, -15.18, -42.03
CIE LCh	71, 44.682, 250.146
Yxy	41.9125, 0.2034, 0.2423
Android (android.graphics.Color)	4280596985 (0xFF24B9F9)
YUV	147.7450, 49.9187, -98.0004
Hunter-Lab	64.7399, -16.2868, -42.4922

Details

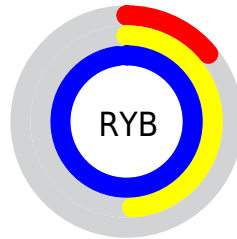
The Yxy color **41.9125, 0.2034, 0.2423** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **29.4356, 0.5605, 0.3751**, and the grayscale version is **29.3511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1237, 0.2413, 0.3124**, and **20.3083, 0.1954, 0.2233** is the 20% darker color. If you saturate the color by 10%, you get **38.5554, 0.1980, 0.2309**, and if you desaturate by 10%, it is **45.7489, 0.2108, 0.2539**.

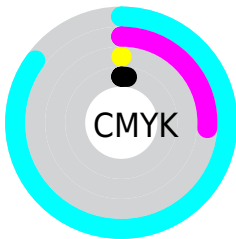
Distribution



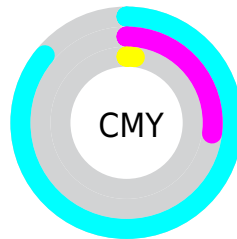
- Red (14%)
- Green (73%)
- Blue (98%)



- Red (14%)
- Yellow (49%)
- Blue (98%)



- Cyan (85%)
- Magenta (26%)
- Yellow (0%)
- Black (2%)





- Cyan (86%)
- Magenta (27%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9125, 0.2034, 0.2423 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 41.9125, 0.2034, 0.2423 by changing the saturation by 10% instead.


 41.9125, 0.2034,
0.2423


 41.9125, 0.2034,
0.2423

354.1201, 0.2557,
0.2858

 29.0328, 0.1914,
0.2318


 78.0672, 0.2217,
0.2579


 19.1056, 0.1766,
0.2185


 102.1109, 0.2288,
0.2639


 11.7466, 0.1581,
0.2015


 130.6448, 0.2349,
0.2689

 6.5714, 0.1347,
0.1792

 164.0532, 0.2402,
0.2733

 3.1955, 0.1049,
0.1492

 202.7206, 0.2448,
0.2770

 1.2346, 0.0675,
0.1087

247.0312, 0.2489,

 0.0897, 0.0000,

0.2803

0.0181

297.3696, 0.2525,
0.2832

■ 0.0000, 0.0000,
0.0000

■ 41.9125, 0.2034,
0.2423

■ 41.9125, 0.2034,
0.2423

■ 38.5554, 0.1980,
0.2309

■ 45.7489, 0.2108,
0.2539

■ 37.1502, 0.1961,
0.2258

■ 50.1183, 0.2202,
0.2654

■ 55.0694, 0.2315,
0.2767

■ 60.6429, 0.2444,
0.2877

■ 66.8754, 0.2585,
0.2981

■ 73.7998, 0.2734,
0.3078

■ 81.4466, 0.2887,
0.3167

■ 89.8441, 0.3043,
0.3249

■ 97.9933, 0.3163,
0.3323

Harmonies

Analogous

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



41.9125, 0.2004, 0.2809



41.9125, 0.2034, 0.2423



41.9125, 0.2315, 0.2288

Triad

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



41.9125, 0.2034, 0.2423



41.9125, 0.4079, 0.3075



41.9125, 0.3325, 0.4448

Complementary

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



41.9125, 0.2034, 0.2423



29.4356, 0.5605, 0.3751

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.



41.9125, 0.3920, 0.4395



41.9125, 0.2034, 0.2423



41.9125, 0.4398, 0.3561

Square

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



41.9125, 0.2034, 0.2423



41.9125, 0.3476, 0.2658



41.9125, 0.4325, 0.4039



41.9125, 0.2708, 0.4073

Rectangle

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



41.9125, 0.2034, 0.2423



41.9125, 0.2632, 0.2325



41.9125, 0.4325, 0.4039



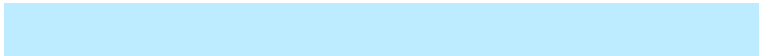
41.9125, 0.3534, 0.4476

Sweetspot

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



41.9139, 0.2034, 0.2423



77.4457, 0.2725, 0.3072



69.0697, 0.2852, 0.5336



16.0192, 0.2673, 0.3039



0.0000, 0.0000, 0.0000



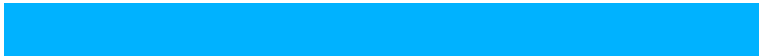
21.4041, 0.3127, 0.3290

Same Dimension

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



41.9139, 0.2034, 0.2423



39.1679, 0.1960, 0.2257



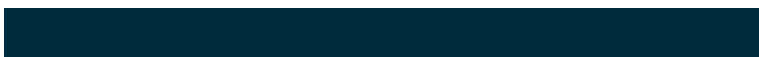
12.7793, 0.1657, 0.1027



18.6751, 0.2980, 0.3217



20.1416, 0.1966, 0.2276



2.0512, 0.2003, 0.2412

Inverse Universe

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



24.9219, 0.3988, 0.2050



24.4852, 0.4172, 0.2072



64.6408, 0.4490, 0.4713



17.4304, 0.3184, 0.3126



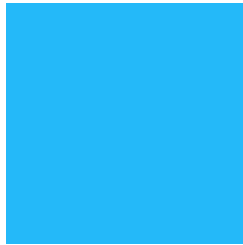
12.4442, 0.4151, 0.2060



1.1713, 0.4011, 0.1983

Previews

White Background



This preview shows how the Yxy color 41.9125, 0.2034, 0.2423 looks on a white background.

Color Contrast Check

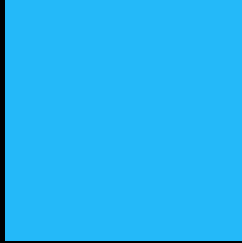
Large Text (above 18pt) WCAG AA × Fail

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 41.9125, 0.2034, 0.2423 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

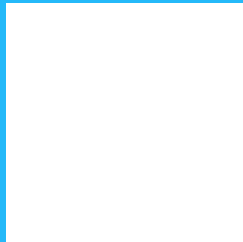
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.9125, 0.2034, 0.2423

Background



This preview shows how black text looks on a background with the Yxy color 41.9125, 0.2034, 0.2423.

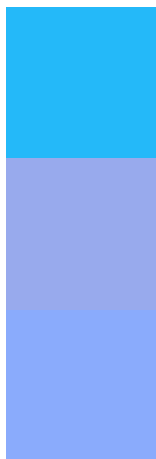


This preview shows how white text looks on a background with the Yxy color 41.9125, 0.2034, 0.2423.

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

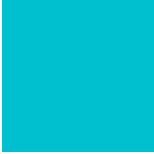
41.9125, 0.2034, 0.2423

Protanopia

41.5393, 0.2506, 0.2443

Deuteranopia

41.5574, 0.2341, 0.2283



Tritanopia

41.7178, 0.2183, 0.3059

Trichromacy



Original Color

41.9125, 0.2034, 0.2423



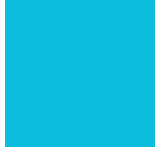
Protanomaly

40.3258, 0.2254, 0.2415



Deuteranomaly

40.7824, 0.2174, 0.2314



Tritanomaly

41.7547, 0.2120, 0.2806

Monochromacy



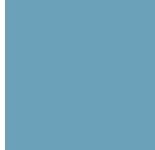
Original Color

41.9125, 0.2034, 0.2423



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

32.1183, 0.2498, 0.2911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9125, 0.2034, 0.2423 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(36, 185, 249)` looks like.

```
.text, #text, p{  
    color:rgb(36, 185, 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(36, 185, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 185, 249) }
```

Border

The CSS property to change the border of an element to Yxy 41.9125, 0.2034, 0.2423 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(36, 185, 249) }
```

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

```
.border{ border-color:rgb(36, 185, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 185, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 185, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 185, 249);  
box-shadow:4px 4px 4px 4px rgb(36, 185,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9125, 0.2034, 0.2423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 185, 249) }
```

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

```
.background{ background-color: rgb(36, 185,  
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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