

Converting Colors

$Yxy(36.6063, 0.1521, 0.2417)$

Have a look what the booklet for
Yxy(36.6063, 0.1521, 0.2417)
contains.

Yxy(42.4981, 0.2033, 0.2518)	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(42.4981, 0.2033, 0.2518)

Conversions

Conversions Part 1

Format	Color
Hex	00BCF4
RGB	0, 188, 244
RGB Percent	0%, 74%, 96%
CMY	0.9987, 0.2627, 0.0432
CMYK	1.00, 0.23, 0.00, 0.04
HSL	194°, 100%, 48%
HSV	194°, 100%, 96%
XYZ	34.3124, 42.4981, 91.9667
YIQ	138.1720, -130.0240, -22.4400

Conversions

Conversions Part 2

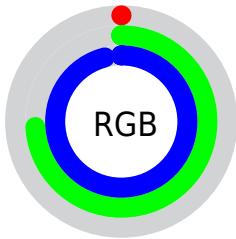
Format	Color
RYB	0, 106, 244
Decimal	48372
CIELab	71.21, -19.90, -38.69
CIELCh	71, 43.504, 242.782
Yxy	42.4981, 0.2033, 0.2518
Android (android.graphics.Color)	4278238452 (0xFF00BCF4)
YUV	138.1720, 52.1732, -121.1768
Hunter-Lab	65.1906, -20.1318, -38.0092

Details

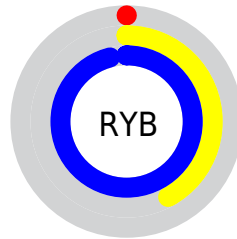
The Yxy color **42.4981, 0.2033, 0.2518** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **22.0893, 0.6143, 0.3503**, and the grayscale version is **25.3585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3009, 0.2389, 0.3159**, and **20.9588, 0.1985, 0.2345** is the 20% darker color. If you saturate the color by 10%, you get **42.4647, 0.2033, 0.2517**, and if you desaturate by 10%, it is **45.1425, 0.2071, 0.2602**.

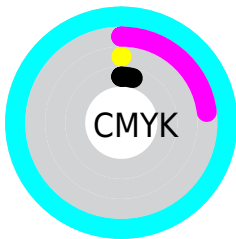
Distribution



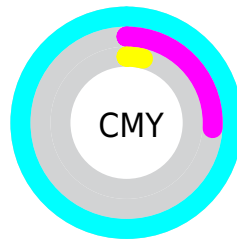
- Red (0%)
- Green (74%)
- Blue (96%)



- Red (0%)
- Yellow (42%)
- Blue (96%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (4%)




- Cyan (100%)
- Magenta (26%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4981, 0.2033, 0.2518 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 42.4981, 0.2033, 0.2518 by changing the saturation by 10% instead.


 42.4981, 0.2033,
0.2518


 42.4981, 0.2033,
0.2518


356.5436, 0.2556,
0.2911


 29.4915, 0.1912,
0.2421


 78.9529, 0.2216,
0.2661

 19.4530, 0.1764,
0.2298


 103.1700, 0.2287,
0.2714


 11.9980, 0.1579,
0.2138


 131.8926, 0.2348,
0.2760

 6.7423, 0.1344,
0.1925

 165.5052, 0.2401,
0.2799

 3.3015, 0.1043,
0.1633

 204.3922, 0.2447,
0.2833

 1.2911, 0.0660,
0.1227

248.9381, 0.2488,

 0.1343, 0.0000,

0.2862

0.0300

299.5270, 0.2524,
0.2888

■ 0.0000, 0.0000,
0.0000

■ 42.4981, 0.2033,
0.2518

■ 42.4981, 0.2033,
0.2518

■ 42.4647, 0.2033,
0.2517

■ 45.1425, 0.2071,
0.2602

■ 48.1314, 0.2126,
0.2688

■ 51.5433, 0.2201,
0.2774

■ 55.4258, 0.2296,
0.2859

■ 59.8186, 0.2408,
0.2942

■ 64.7568, 0.2535,
0.3022

■ 70.2719, 0.2674,
0.3097

■ 76.3927, 0.2822,
0.3167

■ 83.1458, 0.2975,
0.3232

Harmonies

Analogous

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



42.4981, 0.2066, 0.2955



42.4981, 0.2033, 0.2518



42.4981, 0.2249, 0.2326

Triad

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



42.4981, 0.2033, 0.2518



42.4981, 0.3924, 0.2973



42.4981, 0.3472, 0.4435

Complementary

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



42.4981, 0.2033, 0.2518



22.0893, 0.6143, 0.3503

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.



42.4981, 0.4018, 0.4299



42.4981, 0.2033, 0.2518



42.4981, 0.4317, 0.3438

Square

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



42.4981, 0.2033, 0.2518



42.4981, 0.3307, 0.2593



42.4981, 0.4342, 0.3913



42.4981, 0.2862, 0.4171

Rectangle

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



42.4981, 0.2033, 0.2518



42.4981, 0.2523, 0.2327



42.4981, 0.4342, 0.3913



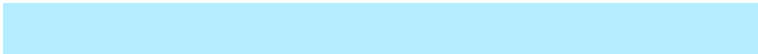
42.4981, 0.3669, 0.4430

Sweetspot

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



42.4995, 0.2033, 0.2518



77.5581, 0.2672, 0.3096



64.9504, 0.2943, 0.5793



16.0332, 0.2612, 0.3064



0.0000, 0.0000, 0.0000



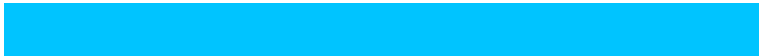
21.4041, 0.3127, 0.3290

Same Dimension

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



42.4995, 0.2033, 0.2518



46.8858, 0.2032, 0.2515



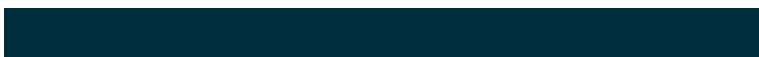
10.8342, 0.1593, 0.0934



18.0743, 0.2980, 0.3234



23.3109, 0.2036, 0.2531



2.2023, 0.2066, 0.2637

Inverse Universe

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



22.8679, 0.3904, 0.1925



25.2643, 0.3907, 0.1926



49.8700, 0.4812, 0.4560



16.6993, 0.3173, 0.3110



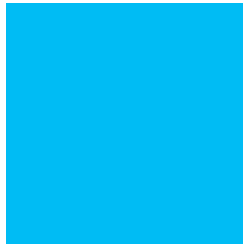
12.4526, 0.3892, 0.1918



1.1100, 0.3789, 0.1861

Previews

White Background



This preview shows how the Yxy color 42.4981, 0.2033, 0.2518 looks on a white background.

Color Contrast Check

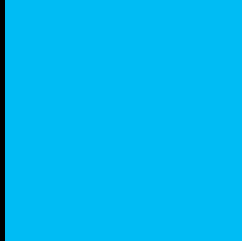
Large Text (above 18pt) WCAG AA × Fail

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 42.4981, 0.2033, 0.2518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

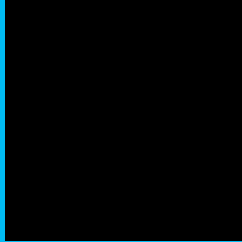
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4981, 0.2033, 0.2518

Background



This preview shows how black text looks on a background with the Yxy color 42.4981, 0.2033, 0.2518.

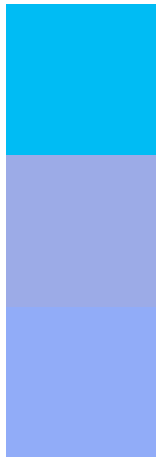


This preview shows how white text looks on a background with the Yxy color 42.4981, 0.2033, 0.2518.

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

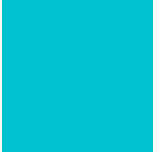
42.4981, 0.2033, 0.2518

Protanopia

41.9633, 0.2570, 0.2526

Deuteranopia

42.3021, 0.2405, 0.2345



Tritanopia

42.6449, 0.2188, 0.3076

Trichromacy



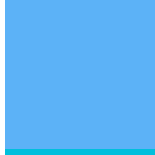
Original Color

42.4981, 0.2033, 0.2518



Protanomaly

40.1531, 0.2231, 0.2488



Deuteranomaly

40.8315, 0.2160, 0.2376



Tritanomaly

42.4289, 0.2129, 0.2863

Monochromacy



Original Color

42.4981, 0.2033, 0.2518



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.0260, 0.2413, 0.2937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4981, 0.2033, 0.2518 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, 188, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 244)  
}
```

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, 188, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 244) }
```

Border

The CSS property to change the border of an element to Yxy 42.4981, 0.2033, 0.2518 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, 188, 244) }
```

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

```
.border{ border-color:rgb(0, 188, 244) }
```

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

Here you see how a box with a 4 pixel rgb(0, 188, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4981, 0.2033, 0.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 244) }
```

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

```
.background{ background-color: rgb(0, 188,  
244) }
```

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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