

Converting Colors

$Y_{xy}(40.9892, 0.2033, 0.2520)$

Have a look what the booklet for
Yxy(40.9892, 0.2033, 0.2520)
contains.

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Color

Yxy(40.9892, 0.2033, 0.2520)

Conversions

Conversions Part 1

Format	Color
Hex	00B9F0
RGB	0, 185, 240
RGB Percent	0%, 73%, 94%
CMY	1.0000, 0.2744, 0.0589
CMYK	1.00, 0.23, 0.00, 0.06
HSL	194°, 100%, 47%
HSV	194°, 100%, 94%
XYZ	33.0679, 40.9892, 88.5985
YIQ	135.9550, -127.9150, -22.1150

Conversions

Conversions Part 2

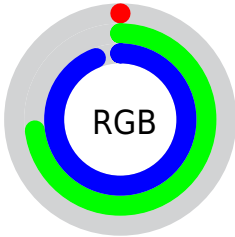
Format	Color
RYB	0, 104, 240
Decimal	47600
CIELab	70.17, -19.75, -38.15
CIELCh	70, 42.962, 242.627
Yxy	40.9892, 0.2033, 0.2520
Android (android.graphics.Color)	4278237680 (0xFF00B9F0)
YUV	135.9550, 51.2942, -119.2325
Hunter-Lab	64.0228, -19.8444, -37.2330

Details

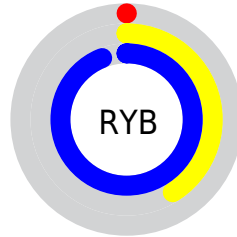
The Yxy color **40.9892, 0.2033, 0.2520** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **21.2534, 0.6146, 0.3502**, and the grayscale version is **24.4468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4456, 0.2378, 0.3122**, and **19.9632, 0.1984, 0.2344** is the 20% darker color. If you saturate the color by 10%, you get **40.9957, 0.2033, 0.2520**, and if you desaturate by 10%, it is **43.5350, 0.2071, 0.2604**.

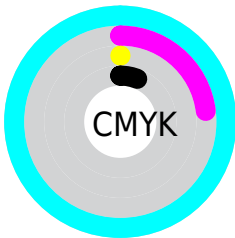
Distribution



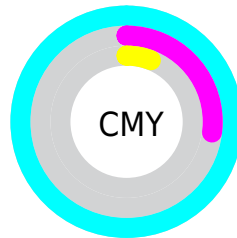
- Red (0%)
- Green (73%)
- Blue (94%)



- Red (0%)
- Yellow (41%)
- Blue (94%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (27%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9892, 0.2033, 0.2520 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 40.9892, 0.2033, 0.2520 by changing the saturation by 10% instead.

 40.9892, 0.2033,
0.2520

 40.9892, 0.2033,
0.2520


350.2755, 0.2560,
0.2915


 28.3106, 0.1911,
0.2422


 76.6675, 0.2218,
0.2664

 18.5600, 0.1760,
0.2297


 100.4360, 0.2289,
0.2718


 11.3528, 0.1571,
0.2134


 128.6700, 0.2351,
0.2763

 6.3046, 0.1331,
0.1916

 161.7538, 0.2404,
0.2802

 3.0312, 0.1022,
0.1615

 200.0719, 0.2450,
0.2836

 1.1480, 0.0613,
0.1197

244.0086, 0.2491,

 0.0186, 0.0000,

0.2866

0.0047

293.9483, 0.2527,
0.2892

■ 0.0000, 0.0000,
0.0000

■ 40.9892, 0.2033,
0.2520

■ 40.9892, 0.2033,
0.2520

■ 40.9957, 0.2033,
0.2520

■ 43.5350, 0.2071,
0.2604

■ 46.4041, 0.2126,
0.2689

■ 49.6793, 0.2201,
0.2775

■ 53.4060, 0.2295,
0.2860

■ 57.6226, 0.2407,
0.2942

■ 62.3627, 0.2534,
0.3022

■ 67.6568, 0.2673,
0.3097

■ 73.5323, 0.2820,
0.3167

■ 80.0150, 0.2973,
0.3231

Harmonies

Analogous

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



40.9892, 0.2067, 0.2958



40.9892, 0.2033, 0.2520



40.9892, 0.2247, 0.2327

Triad

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



40.9892, 0.2033, 0.2520



40.9892, 0.3921, 0.2971



40.9892, 0.3475, 0.4435

Complementary

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



40.9892, 0.2033, 0.2520



21.2534, 0.6146, 0.3502

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.



40.9892, 0.4020, 0.4297



40.9892, 0.2033, 0.2520



40.9892, 0.4315, 0.3435

Square

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



40.9892, 0.2033, 0.2520



40.9892, 0.3304, 0.2592



40.9892, 0.4342, 0.3910



40.9892, 0.2865, 0.4173

Rectangle

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



40.9892, 0.2033, 0.2520



40.9892, 0.2520, 0.2327



40.9892, 0.4342, 0.3910



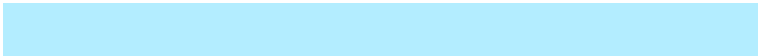
40.9892, 0.3672, 0.4429

Sweetspot

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



40.9957, 0.2033, 0.2520



77.5889, 0.2672, 0.3096



62.5623, 0.2943, 0.5793



16.0406, 0.2612, 0.3065



0.0000, 0.0000, 0.0000



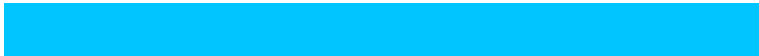
21.4041, 0.3127, 0.3290

Same Dimension

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



40.9957, 0.2033, 0.2520



46.9659, 0.2033, 0.2517



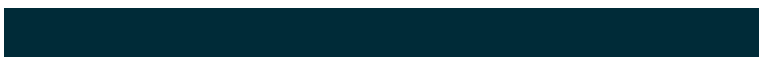
10.4246, 0.1593, 0.0933



17.2791, 0.2981, 0.3235



22.6544, 0.2037, 0.2534



2.0325, 0.2068, 0.2645

Inverse Universe

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



22.0271, 0.3902, 0.1923



25.2724, 0.3905, 0.1925



48.0259, 0.4813, 0.4561



15.9658, 0.3173, 0.3110



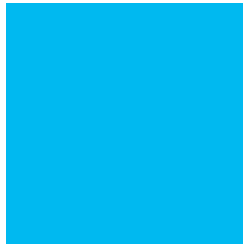
12.0803, 0.3889, 0.1916



1.0199, 0.3781, 0.1856

Previews

White Background



This preview shows how the Yxy color 40.9892, 0.2033, 0.2520 looks on a white background.

Color Contrast Check

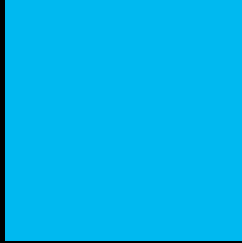
Large Text (above 18pt) WCAG AA × Fail

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 40.9892, 0.2033, 0.2520 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 40.9892, 0.2033, 0.2520

Background



This preview shows how black text looks on a background with the Yxy color 40.9892, 0.2033, 0.2520.

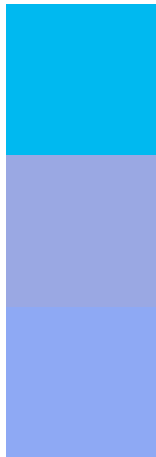


This preview shows how white text looks on a background with the Yxy color 40.9892, 0.2033, 0.2520.

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

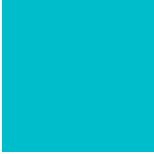
40.9892, 0.2033, 0.2520

Protanopia

40.4213, 0.2576, 0.2528

Deuteranopia

40.6584, 0.2401, 0.2342



Tritanopia

40.7548, 0.2183, 0.3057

Trichromacy



Original Color

40.9892, 0.2033, 0.2520



Protanomaly

38.6950, 0.2235, 0.2490



Deuteranomaly

39.3047, 0.2158, 0.2375



Tritanomaly

40.9762, 0.2127, 0.2857

Monochromacy



Original Color

40.9892, 0.2033, 0.2520



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.1934, 0.2419, 0.2950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9892, 0.2033, 0.2520 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, 185, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 240)  
}
```

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, 185, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 240) }
```

Border

The CSS property to change the border of an element to Yxy 40.9892, 0.2033, 0.2520 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, 185, 240) }
```

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

```
.border{ border-color:rgb(0, 185, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9892, 0.2033, 0.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 240) }
```

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

```
.background{ background-color: rgb(0, 185,  
240) }
```

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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