

Converting Colors

$Y_{xy}(28.4433, 0.0713, 0.2270)$

Have a look what the booklet for
Yxy(28.4433, 0.0713, 0.2270)
contains.

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Color

Yxy(41.0488, 0.2030, 0.2508)

Conversions

Conversions Part 1

Format	Color
Hex	00B9F1
RGB	0, 185, 241
RGB Percent	0%, 73%, 95%
CMY	1.0000, 0.2745, 0.0549
CMYK	1.00, 0.23, 0.00, 0.05
HSL	194°, 100%, 47%
HSV	194°, 100%, 95%
XYZ	33.2253, 41.0488, 89.3973
YIQ	136.0690, -128.2360, -21.8040

Conversions

Conversions Part 2

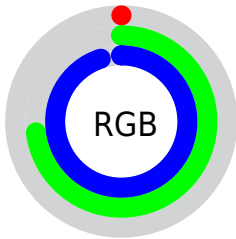
Format	Color
RYB	0, 105, 241
Decimal	47601
CIELab	70.21, -19.38, -38.64
CIELCh	70, 43.225, 243.368
Yxy	41.0488, 0.2030, 0.2508
Android (android.graphics.Color)	4278237681 (0xFF00B9F1)
YUV	136.0690, 51.7310, -119.3325
Hunter-Lab	64.0693, -19.5542, -37.8801

Details

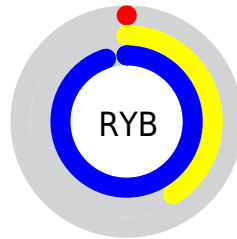
The Yxy color **41.0488, 0.2030, 0.2508** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **21.5312, 0.6140, 0.3507**, and the grayscale version is **24.4877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4456, 0.2378, 0.3122**, and **20.0053, 0.1981, 0.2330** is the 20% darker color. If you saturate the color by 10%, you get **41.0510, 0.2030, 0.2508**, and if you desaturate by 10%, it is **43.6362, 0.2068, 0.2593**.

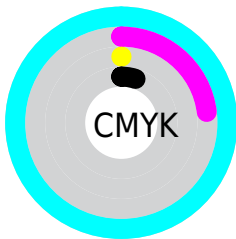
Distribution



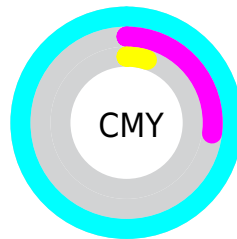
- Red (0%)
- Green (73%)
- Blue (95%)



- Red (0%)
- Yellow (41%)
- Blue (95%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (27%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0488, 0.2030, 0.2508 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 41.0488, 0.2030, 0.2508 by changing the saturation by 10% instead.

41.0488, 0.2030,
0.2508

41.0488, 0.2030,
0.2508

350.5245, 0.2558,
0.2908

28.3572, 0.1908,
0.2409

76.7580, 0.2215,
0.2654

18.5951, 0.1757,
0.2283

100.5443, 0.2287,
0.2708

11.3781, 0.1568,
0.2119

128.7978, 0.2348,
0.2754

6.3217, 0.1328,
0.1899

161.9027, 0.2401,
0.2794

3.0417, 0.1020,
0.1598

200.2434, 0.2448,
0.2828

1.1535, 0.0615,
0.1180

244.2043, 0.2489,

0.0233, 0.0000,

0.2858

0.0058

294.1699, 0.2525,
0.2885

■ 0.0000, 0.0000,
0.0000

■ 41.0488, 0.2030,
0.2508

■ 41.0488, 0.2030,
0.2508

■ 41.0510, 0.2030,
0.2508

■ 43.6362, 0.2068,
0.2593

■ 46.5571, 0.2124,
0.2680

■ 49.8906, 0.2199,
0.2767

■ 53.6828, 0.2294,
0.2853

■ 57.9724, 0.2406,
0.2937

■ 62.7936, 0.2533,
0.3018

■ 68.1769, 0.2673,
0.3094

■ 74.1504, 0.2820,
0.3165

■ 80.7399, 0.2973,
0.3231

Harmonies

Analogous

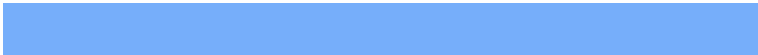
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.0488, 0.2058, 0.2942



41.0488, 0.2030, 0.2508



41.0488, 0.2251, 0.2321

Triad

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



41.0488, 0.2030, 0.2508



41.0488, 0.3938, 0.2980



41.0488, 0.3461, 0.4440

Complementary

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



41.0488, 0.2030, 0.2508



21.5312, 0.6140, 0.3507

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.



41.0488, 0.4013, 0.4310



41.0488, 0.2030, 0.2508



41.0488, 0.4327, 0.3447

Square

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



41.0488, 0.2030, 0.2508



41.0488, 0.3321, 0.2596



41.0488, 0.4344, 0.3924



41.0488, 0.2849, 0.4167

Rectangle

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



41.0488, 0.2030, 0.2508



41.0488, 0.2529, 0.2324



41.0488, 0.4344, 0.3924



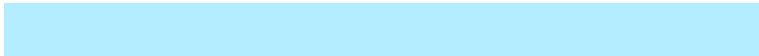
41.0488, 0.3660, 0.4437

Sweetspot

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



41.0510, 0.2030, 0.2508



77.4419, 0.2671, 0.3093



63.1658, 0.2943, 0.5794



16.0052, 0.2611, 0.3062



0.0000, 0.0000, 0.0000



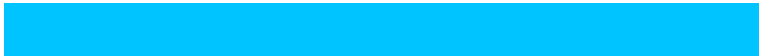
21.4041, 0.3127, 0.3290

Same Dimension

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



41.0510, 0.2030, 0.2508



46.5844, 0.2029, 0.2506



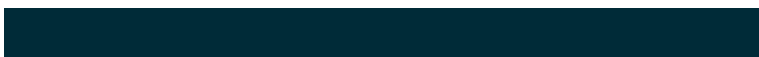
10.5203, 0.1593, 0.0933



17.2698, 0.2981, 0.3234



22.4747, 0.2034, 0.2522



2.0189, 0.2065, 0.2635

Inverse Universe

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



22.2053, 0.3914, 0.1930



25.2339, 0.3917, 0.1931



48.4834, 0.4813, 0.4560



15.9649, 0.3173, 0.3111



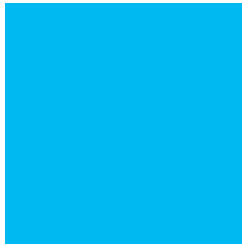
12.0622, 0.3900, 0.1922



1.0185, 0.3790, 0.1862

Previews

White Background



This preview shows how the Yxy color 41.0488, 0.2030, 0.2508 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 41.0488, 0.2030, 0.2508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

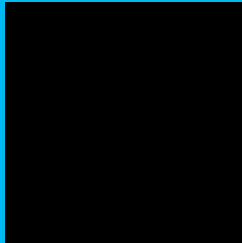
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0488, 0.2030, 0.2508

Background



This preview shows how black text looks on a background with the Yxy color 41.0488, 0.2030, 0.2508.



This preview shows how white text looks on a background with the Yxy color 41.0488, 0.2030, 0.2508.

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

41.0488, 0.2030, 0.2508

Protanopia

40.4767, 0.2570, 0.2517

Deuteranopia

40.7193, 0.2396, 0.2332



Tritanopia

41.1865, 0.2187, 0.3073

Trichromacy



Original Color

41.0488, 0.2030, 0.2508



Protanomaly

38.7520, 0.2231, 0.2478



Deuteranomaly

39.3653, 0.2154, 0.2364



Tritanomaly

40.9762, 0.2127, 0.2857

Monochromacy



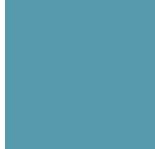
Original Color

41.0488, 0.2030, 0.2508



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 41.0488, 0.2030, 0.2508 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, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 241)  
}
```

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, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 241) }
```

Border

The CSS property to change the border of an element to Yxy 41.0488, 0.2030, 0.2508 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, 241) }
```

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

```
.border{ border-color:rgb(0, 185, 241) }
```

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, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0488, 0.2030, 0.2508 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, 241) }
```

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

```
.background{ background-color: rgb(0, 185,  
241) }
```

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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