

Converting Colors

$Y_{xy}(40.1084, 0.2130, 0.2716)$

Have a look what the booklet for
Yxy(40.1084, 0.2130, 0.2716)
contains.

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Color

Yxy(40.1009, 0.2131, 0.2720)

Conversions

Conversions Part 1

Format	Color
Hex	2AB8DF
RGB	42, 184, 223
RGB Percent	16%, 72%, 87%
CMY	0.8352, 0.2784, 0.1254
CMYK	0.81, 0.17, 0.00, 0.13
HSL	193°, 74%, 52%
HSV	193°, 81%, 87%
XYZ	31.4173, 40.1009, 75.9116
YIQ	145.9880, -97.1510, -17.9750

Conversions

Conversions Part 2

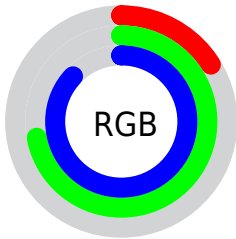
Format	Color
R _Y B	42, 122, 223
Decimal	2799839
CIE Lab	69.54, -23.00, -29.86
CIE LCh	70, 37.690, 232.390
Yxy	40.1009, 0.2131, 0.2720
Android (android.graphics.Color)	4280989919 (0xFF2AB8DF)
YUV	145.9880, 37.9669, -91.1975
Hunter-Lab	63.3253, -22.2608, -26.7466

Details

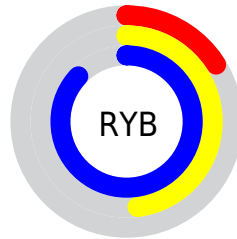
The Yxy color **40.1009, 0.2131, 0.2720** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **21.7517, 0.5618, 0.3615**, and the grayscale version is **28.6152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3917, 0.2403, 0.3112**, and **19.0598, 0.2047, 0.2570** is the 20% darker color. If you saturate the color by 10%, you get **37.7914, 0.2080, 0.2641**, and if you desaturate by 10%, it is **42.7425, 0.2202, 0.2800**.

Distribution



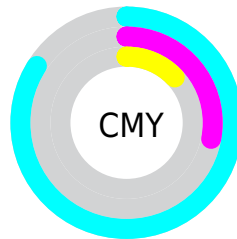
- Red (16%)
- Green (72%)
- Blue (87%)



- Red (16%)
- Yellow (48%)
- Blue (87%)



- Cyan (81%)
- Magenta (17%)
- Yellow (0%)
- Black (13%)





- Cyan (84%)
- Magenta (28%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1009, 0.2131, 0.2720 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 40.1009, 0.2131, 0.2720 by changing the saturation by 10% instead.


 40.1009, 0.2131,
0.2720


 40.1009, 0.2131,
0.2720


346.5487, 0.2617,
0.3021


 27.6172, 0.2015,
0.2642


 75.3171, 0.2304,
0.2832


 18.0373, 0.1871,
0.2540


 98.8185, 0.2370,
0.2873

 10.9768, 0.1688,
0.2404


 126.7612, 0.2426,
0.2908

 6.0512, 0.1448,
0.2214

 159.5296, 0.2475,
0.2937

 2.8763, 0.1129,
0.1936

 197.5082, 0.2517,
0.2963

 1.0675, 0.0632,
0.1525

241.0813, 0.2555,

 0.0000, 0.0000,

0.2985

0.0000

290.6333, 0.2588,
0.3004

■ 40.1009, 0.2131,
0.2720

■ 40.1009, 0.2131,
0.2720

■ 37.7914, 0.2080,
0.2641

■ 42.7425, 0.2202,
0.2800

■ 35.9644, 0.2048,
0.2571

■ 45.7504, 0.2292,
0.2879

■ 49.1586, 0.2400,
0.2956

■ 52.9953, 0.2524,
0.3031

■ 57.2860, 0.2660,
0.3101

62.0539, 0.2805,
0.3167

67.3204, 0.2956,
0.3228

73.1056, 0.3109,
0.3284

79.4283, 0.3263,
0.3334

Harmonies

Analogous

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



40.1009, 0.2244, 0.3180



40.1009, 0.2131, 0.2720



40.1009, 0.2250, 0.2466

Triad

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



40.1009, 0.2131, 0.2720



40.1009, 0.3656, 0.2880



40.1009, 0.3623, 0.4294

Complementary

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



40.1009, 0.2131, 0.2720



21.7517, 0.5618, 0.3615

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.



40.1009, 0.4051, 0.4093



40.1009, 0.2131, 0.2720



40.1009, 0.4090, 0.3282

Square

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



40.1009, 0.2131, 0.2720



40.1009, 0.3092, 0.2576



40.1009, 0.4233, 0.3715



40.1009, 0.3084, 0.4180

Rectangle

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



40.1009, 0.2131, 0.2720



40.1009, 0.2451, 0.2416



40.1009, 0.4233, 0.3715



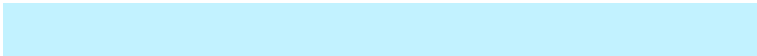
40.1009, 0.3785, 0.4256

Sweetspot

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



40.1023, 0.2131, 0.2720



82.0510, 0.2760, 0.3148



53.8336, 0.2911, 0.5455



17.0651, 0.2708, 0.3124



0.0000, 0.0000, 0.0000



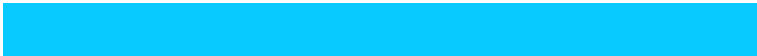
21.4041, 0.3127, 0.3290

Same Dimension

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



40.1023, 0.2131, 0.2720



49.3554, 0.2056, 0.2589



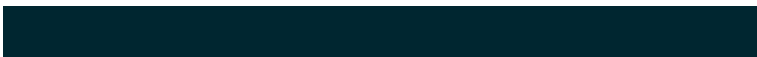
14.2474, 0.1772, 0.1365



15.0445, 0.2982, 0.3238



21.3135, 0.2051, 0.2583



1.6036, 0.2085, 0.2705

Inverse Universe

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



20.8102, 0.3697, 0.1927



25.6747, 0.3833, 0.1895



44.1325, 0.4616, 0.4528



13.8824, 0.3171, 0.3108



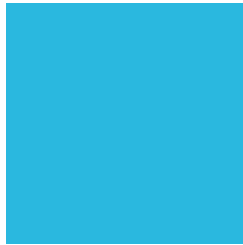
11.0597, 0.3840, 0.1889



0.7793, 0.3724, 0.1825

Previews

White Background



This preview shows how the Yxy color 40.1009, 0.2131, 0.2720 looks on a white background.

Color Contrast Check

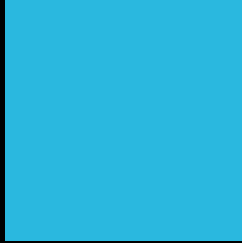
Large Text (above 18pt) WCAG AA × Fail

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 40.1009, 0.2131, 0.2720 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 40.1009, 0.2131, 0.2720

Background



This preview shows how black text looks on a background with the Yxy color 40.1009, 0.2131, 0.2720.

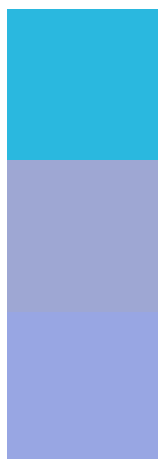


This preview shows how white text looks on a background with the Yxy color 40.1009, 0.2131, 0.2720.

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

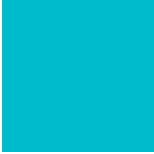
40.1009, 0.2131, 0.2720

Protanopia

39.6097, 0.2709, 0.2704

Deuteranopia

39.4939, 0.2558, 0.2498



Tritanopia

39.8524, 0.2178, 0.3040

Trichromacy



Original Color

40.1009, 0.2131, 0.2720

Protanomaly

38.5064, 0.2409, 0.2696

Deuteranomaly

38.8229, 0.2330, 0.2558

Tritanomaly

39.8725, 0.2155, 0.2924

Monochromacy



Original Color

40.1009, 0.2131, 0.2720

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

31.3857, 0.2575, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1009, 0.2131, 0.2720 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(42, 184, 223)` looks like.

```
.text, #text, p{  
    color:rgb(42, 184, 223)  
}
```

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(42, 184, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 184, 223) }
```

Border

The CSS property to change the border of an element to Yxy 40.1009, 0.2131, 0.2720 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(42, 184, 223) }
```

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

```
.border{ border-color:rgb(42, 184, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 184, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 184, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 184, 223);  
box-shadow:4px 4px 4px 4px rgb(42, 184,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1009, 0.2131, 0.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 184, 223) }
```

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

```
.background{ background-color: rgb(42, 184,  
223) }
```

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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