

Converting Colors

$Y_{xy}(34.1125, 0.2076, 0.2521)$

Have a look what the booklet for
Yxy(34.1125, 0.2076, 0.2521)
contains.

Yxy(33.9944, 0.2076, 0.2522)	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>	29

Color

Yxy(33.9944, 0.2076, 0.2522)

Conversions

Conversions Part 1

Format	Color
Hex	28A9DC
RGB	40, 169, 220
RGB Percent	16%, 66%, 86%
CMY	0.8432, 0.3373, 0.1372
CMYK	0.82, 0.23, 0.00, 0.14
HSL	197°, 72%, 51%
HSV	197°, 82%, 86%
XYZ	27.9827, 33.9944, 72.8143
YIQ	136.2430, -93.2550, -11.4870

Conversions

Conversions Part 2

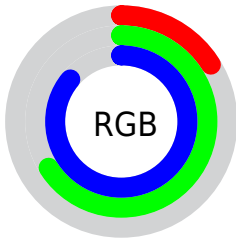
Format	Color
R _Y B	40, 115, 220
Decimal	2664924
CIE Lab	64.96, -16.33, -35.31
CIE LCh	65, 38.908, 245.179
Yxy	33.9944, 0.2076, 0.2522
Android (android.graphics.Color)	4280855004 (0xFF28A9DC)
YUV	136.2430, 41.2922, -84.4051
Hunter-Lab	58.3047, -16.3642, -33.2315

Details

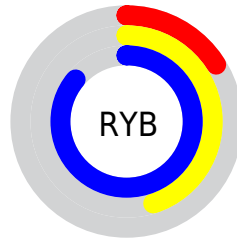
The Yxy color **33.9944, 0.2076, 0.2522** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **22.8545, 0.5503, 0.3738**, and the grayscale version is **24.5828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2443, 0.2355, 0.2915**, and **15.4392, 0.1979, 0.2323** is the 20% darker color. If you saturate the color by 10%, you get **31.4083, 0.2017, 0.2415**, and if you desaturate by 10%, it is **36.9440, 0.2156, 0.2630**.

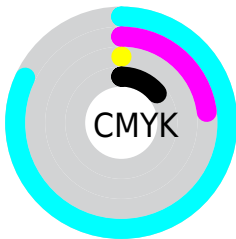
Distribution



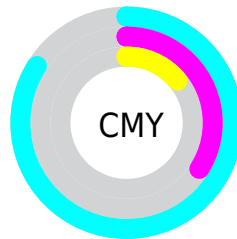
- Red (16%)
- Green (66%)
- Blue (86%)



- Red (16%)
- Yellow (45%)
- Blue (86%)



- Cyan (82%)
- Magenta (23%)
- Yellow (0%)
- Black (14%)



- Cyan (84%)
- Magenta (34%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9944, 0.2076, 0.2522 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 33.9944, 0.2076, 0.2522 by changing the saturation by 10% instead.


 33.9944, 0.2076,
0.2522


 33.9944, 0.2076,
0.2522


320.1071, 0.2600,
0.2926


 22.8893, 0.1949,
0.2418


 65.9250, 0.2264,
0.2672

 14.5118, 0.1790,
0.2283


 87.5192, 0.2336,
0.2728


 8.4775, 0.1586,
0.2103

 113.3786, 0.2397,
0.2774

 4.4020, 0.1319,
0.1857

 143.8876, 0.2449,
0.2814

 1.9009, 0.0968,
0.1507

 179.4306, 0.2494,
0.2848

 0.5489, 0.0218,
0.0974

220.3918, 0.2534,

 0.0000, 0.0000,

0.2877

0.0000

267.1559, 0.2569,
0.2903

■ 33.9944, 0.2076,
0.2522

■ 33.9944, 0.2076,
0.2522

■ 31.4083, 0.2017,
0.2415

■ 36.9440, 0.2156,
0.2630

■ 29.5111, 0.1980,
0.2329

■ 40.2924, 0.2254,
0.2736

■ 44.0730, 0.2371,
0.2841

■ 48.3144, 0.2501,
0.2941

■ 53.0422, 0.2643,
0.3035

■ 58.2797, 0.2792,
0.3123

■ 64.0485, 0.2945,
0.3204

■ 70.3688, 0.3099,
0.3277

■ 77.2598, 0.3252,
0.3343

Harmonies

Analogous

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



33.9944, 0.2089, 0.2928



33.9944, 0.2076, 0.2522



33.9944, 0.2305, 0.2353

Triad

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



33.9944, 0.2076, 0.2522



33.9944, 0.3936, 0.3019



33.9944, 0.3416, 0.4386

Complementary

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



33.9944, 0.2076, 0.2522



22.8545, 0.5503, 0.3738

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.



33.9944, 0.3953, 0.4287



33.9944, 0.2076, 0.2522



33.9944, 0.4289, 0.3474

Square

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



33.9944, 0.2076, 0.2522



33.9944, 0.3352, 0.2641



33.9944, 0.4285, 0.3931



33.9944, 0.2829, 0.4099

Rectangle

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



33.9944, 0.2076, 0.2522



33.9944, 0.2582, 0.2364



33.9944, 0.4285, 0.3931



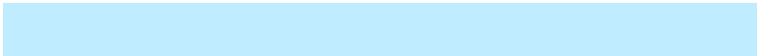
33.9944, 0.3608, 0.4392

Sweetspot

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



33.9956, 0.2076, 0.2522



78.8590, 0.2741, 0.3094



52.4058, 0.2857, 0.5278



16.3252, 0.2688, 0.3063



0.0000, 0.0000, 0.0000



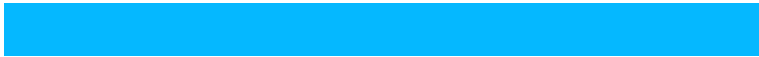
21.4041, 0.3127, 0.3290

Same Dimension

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



33.9956, 0.2076, 0.2522



41.6092, 0.1986, 0.2342



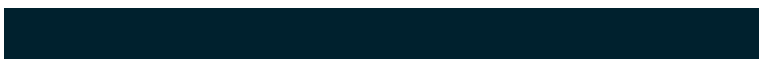
11.2090, 0.1714, 0.1158



14.1734, 0.2982, 0.3222



17.5133, 0.1985, 0.2345



1.2782, 0.2033, 0.2518

Inverse Universe

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



19.6001, 0.3885, 0.2033



24.8390, 0.4082, 0.2029



48.4264, 0.4475, 0.4667



13.2086, 0.3181, 0.3124



10.3917, 0.4079, 0.2021



0.6877, 0.3905, 0.1925

Previews

White Background



This preview shows how the Yxy color 33.9944, 0.2076, 0.2522 looks on a white background.

Color Contrast Check

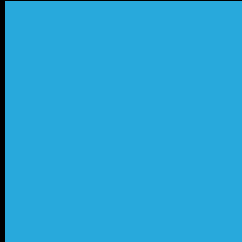
Large Text (above 18pt) WCAG AA × Fail

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 33.9944, 0.2076, 0.2522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

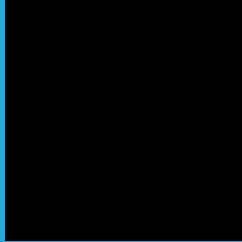
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9944, 0.2076, 0.2522

Background



This preview shows how black text looks on a background with the Yxy color 33.9944, 0.2076, 0.2522.

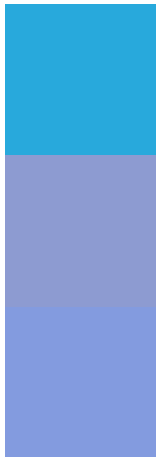


This preview shows how white text looks on a background with the Yxy color 33.9944, 0.2076, 0.2522.

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

33.9944, 0.2076, 0.2522

Protanopia

33.7089, 0.2574, 0.2535

Deuteranopia

33.5957, 0.2414, 0.2358

Trichromacy



Original Color

33.9944, 0.2076, 0.2522

Protanomaly

32.8888, 0.2314, 0.2513

Deuteranomaly

33.0122, 0.2237, 0.2398

Monochromacy



Original Color

33.9944, 0.2076, 0.2522

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.7365, 0.2543, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9944, 0.2076, 0.2522 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(40, 169, 220)` looks like.

```
.text, #text, p{  
    color:rgb(40, 169, 220)  
}
```

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(40, 169, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 169, 220) }
```

Border

The CSS property to change the border of an element to Yxy 33.9944, 0.2076, 0.2522 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(40, 169, 220) }
```

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

```
.border{ border-color:rgb(40, 169, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 169, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 169, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 169, 220);  
box-shadow:4px 4px 4px 4px rgb(40, 169,  
220) }
```

Background

The CSS property to change the background color of an element to Yxy 33.9944, 0.2076, 0.2522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 169, 220) }
```

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

```
.background{ background-color: rgb(40, 169,  
220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor