

Converting Colors

$Y_{xy}(49.8590, 0.1488, 0.1537)$

Have a look what the booklet for
Yxy(49.8590, 0.1488, 0.1537)
contains.

Yxy(47.1525, 0.2034, 0.2523)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(47.1525, 0.2034, 0.2523)

Conversions

Conversions Part 1

Format	Color
Hex	00C5FF
RGB	0, 197, 255
RGB Percent	0%, 77%, 100%
CMY	1.0000, 0.2274, 0.0000
CMYK	1.00, 0.23, 0.00, 0.00
HSL	194°, 100%, 50%
HSV	194°, 100%, 100%
XYZ	38.0135, 47.1525, 101.7246
YIQ	144.7090, -136.0300, -23.7260

Conversions

Conversions Part 2

Format	Color
RYB	0, 111, 255
Decimal	50687
CIELab	74.29, -20.78, -39.85
CIELCh	74, 44.944, 242.457
Yxy	47.1525, 0.2034, 0.2523
Android (android.graphics.Color)	4278240767 (0xFF00C5FF)
YUV	144.7090, 54.3735, -126.9098
Hunter-Lab	68.6677, -21.3531, -39.7651

Details

The Yxy color **47.1525, 0.2034, 0.2523** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **24.2853, 0.6154, 0.3496**, and the grayscale version is **28.0101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6810, 0.2424, 0.3276**, and **23.7221, 0.1988, 0.2356** is the 20% darker color. If you saturate the color by 10%, you get **47.1560, 0.2034, 0.2523**, and if you desaturate by 10%, it is **50.0538, 0.2072, 0.2607**.

Distribution



- Red (0%)
- Green (77%)
- Blue (100%)



- Red (0%)
- Yellow (44%)
- Blue (100%)



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





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


Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1525, 0.2034, 0.2523 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 47.1525, 0.2034, 0.2523 by changing the saturation by 10% instead.


 47.1525, 0.2034,
0.2523

 47.1525, 0.2034,
0.2523

 375.4229, 0.2547,
0.2907

 33.1562, 0.1918,
0.2430


 85.9412, 0.2212,
0.2661


 22.2462, 0.1777,
0.2313


 111.5024, 0.2281,
0.2713

 14.0379, 0.1601,
0.2163


 141.6874, 0.2341,
0.2758


 8.1470, 0.1380,
0.1965

 176.8806, 0.2393,
0.2796

 4.1892, 0.1101,
0.1697

 217.4664, 0.2439,
0.2829

 1.7799, 0.0750,
0.1328

 263.8291, 0.2479,

 0.4746, 0.0000,

0.2859

0.0768

316.3531, 0.2515,
0.2884

■ 0.0000, 0.0000,
0.0000

■ 47.1525, 0.2034,
0.2523

■ 47.1525, 0.2034,
0.2523

■ 47.1560, 0.2034,
0.2523

■ 50.0538, 0.2072,
0.2607

■ 53.3317, 0.2126,
0.2692

■ 57.0756, 0.2200,
0.2777

■ 61.3386, 0.2294,
0.2861

■ 66.1653, 0.2406,
0.2944

■ 71.5947, 0.2533,
0.3023

■ 77.6620, 0.2672,
0.3098

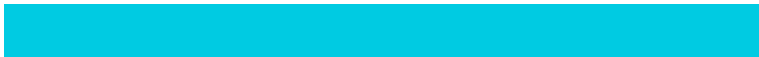
■ 84.3992, 0.2819,
0.3167

■ 91.8359, 0.2972,
0.3232

Harmonies

Analogous

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



47.1525, 0.2070, 0.2962



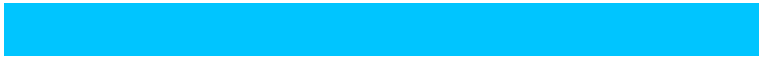
47.1525, 0.2034, 0.2523



47.1525, 0.2247, 0.2329

Triad

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



47.1525, 0.2034, 0.2523



47.1525, 0.3916, 0.2969



47.1525, 0.3478, 0.4433

Complementary

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



47.1525, 0.2034, 0.2523



24.2853, 0.6154, 0.3496

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.



47.1525, 0.4021, 0.4294



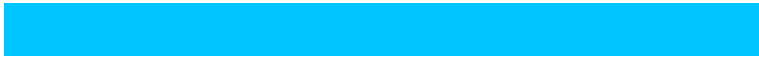
47.1525, 0.2034, 0.2523



47.1525, 0.4312, 0.3432

Square

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



47.1525, 0.2034, 0.2523



47.1525, 0.3300, 0.2591



47.1525, 0.4341, 0.3907



47.1525, 0.2869, 0.4174

Rectangle

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



47.1525, 0.2034, 0.2523



47.1525, 0.2519, 0.2328



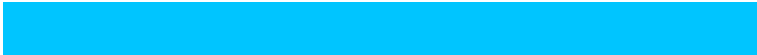
47.1525, 0.4341, 0.3907



47.1525, 0.3674, 0.4426

Sweetspot

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



47.1560, 0.2034, 0.2523



77.6620, 0.2672, 0.3098



71.7982, 0.2944, 0.5798



16.0582, 0.2612, 0.3067



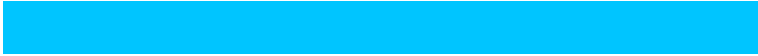
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



47.1560, 0.2034, 0.2523



11.8871, 0.1591, 0.0928



19.7395, 0.2980, 0.3235



24.8759, 0.2038, 0.2537



2.5851, 0.2065, 0.2633

Inverse Universe

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



25.2916, 0.3899, 0.1922



55.0239, 0.4815, 0.4559



18.2255, 0.3173, 0.3108



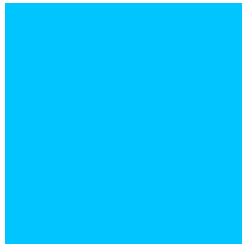
13.2392, 0.3885, 0.1914



1.3055, 0.3792, 0.1863

Previews

White Background



This preview shows how the Yxy color 47.1525, 0.2034, 0.2523 looks on a white background.

Color Contrast Check

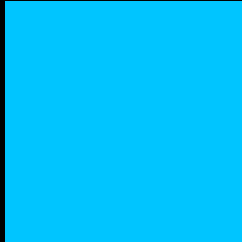
Large Text (above 18pt) WCAG AA × Fail

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 47.1525, 0.2034, 0.2523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

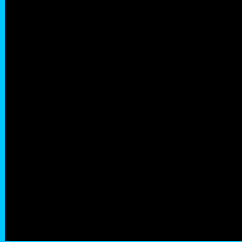
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1525, 0.2034, 0.2523

Background



This preview shows how black text looks on a background with the Yxy color 47.1525, 0.2034, 0.2523.



This preview shows how white text looks on a background with the Yxy color 47.1525, 0.2034, 0.2523.

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

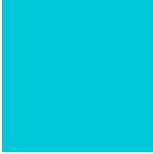
47.1525, 0.2034, 0.2523

Protanopia

46.4836, 0.2578, 0.2533

Deuteranopia

46.7325, 0.2439, 0.2390



Tritanopia

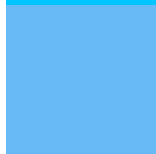
47.2508, 0.2186, 0.3070

Trichromacy



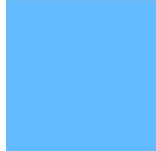
Original Color

47.1525, 0.2034, 0.2523



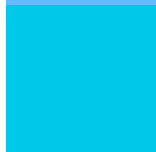
Protanomaly

44.7147, 0.2238, 0.2507



Deuteranomaly

44.9345, 0.2177, 0.2407



Tritanomaly

47.0781, 0.2126, 0.2853

Monochromacy



Original Color

47.1525, 0.2034, 0.2523



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.3290, 0.2415, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1525, 0.2034, 0.2523 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, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 255)  
}
```

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, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.1525, 0.2034, 0.2523 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, 197, 255) }
```

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

```
.border{ border-color:rgb(0, 197, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 197, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 197, 255); box-shadow:4px 4px 4px 4px rgb(0, 197, 255) }
```

Background

The CSS property to change the background color of an element to Yxy 47.1525, 0.2034, 0.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 255) }
```

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

```
.background{ background-color: rgb(0, 197,  
255) }
```

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