

Converting Colors

$Y_{xy}(44.3057, 0.2038, 0.2463)$

Have a look what the booklet for
Yxy(44.3057, 0.2038, 0.2463)
contains.

Yxy(44.1465, 0.2037, 0.2461)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.1465, 0.2037, 0.2461)

Conversions

Conversions Part 1

Format	Color
Hex	1FBEFC
RGB	31, 190, 252
RGB Percent	12%, 75%, 99%
CMY	0.8800, 0.2548, 0.0117
CMYK	0.88, 0.25, 0.00, 0.01
HSL	197°, 97%, 55%
HSV	197°, 88%, 99%
XYZ	36.5406, 44.1465, 98.6973
YIQ	149.5270, -114.6660, -14.4260

Conversions

Conversions Part 2

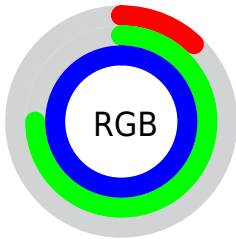
Format	Color
R _Y B	31, 123, 252
Decimal	2080508
CIE Lab	72.33, -17.15, -41.27
CIE LCh	72, 44.694, 247.433
Yxy	44.1465, 0.2037, 0.2461
Android (android.graphics.Color)	4280270588 (0xFF1FBEEFC)
YUV	149.5270, 50.5192, -103.9482
Hunter-Lab	66.4428, -18.1079, -41.5622

Details

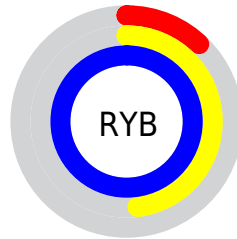
The Yxy color **44.1465, 0.2037, 0.2461** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **28.5509, 0.5729, 0.3695**, and the grayscale version is **30.0588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0535, 0.2421, 0.3183**, and **21.8315, 0.1969, 0.2286** is the 20% darker color. If you saturate the color by 10%, you get **40.9144, 0.1990, 0.2356**, and if you desaturate by 10%, it is **47.8292, 0.2103, 0.2568**.

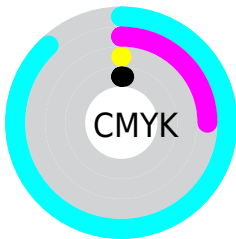
Distribution



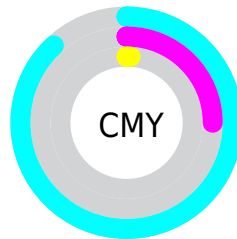
- Red (12%)
- Green (75%)
- Blue (99%)



- Red (12%)
- Yellow (48%)
- Blue (99%)



- Cyan (88%)
- Magenta (25%)
- Yellow (0%)
- Black (1%)



- Cyan (88%)
- Magenta (25%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1465, 0.2037, 0.2461 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 44.1465, 0.2037, 0.2461 by changing the saturation by 10% instead.

44.1465, 0.2037,
0.2461

44.1465, 0.2037,
0.2461

363.3058, 0.2555,
0.2876

30.7857, 0.1919,
0.2361

81.4381, 0.2217,
0.2610

20.4357, 0.1774,
0.2235

106.1378, 0.2287,
0.2667

12.7122, 0.1594,
0.2073

135.3858, 0.2348,
0.2715

7.2306, 0.1366,
0.1860

169.5666, 0.2400,
0.2756

3.6068, 0.1077,
0.1574

209.0646, 0.2446,
0.2792

1.4561, 0.0715,
0.1184

254.2642, 0.2486,

0.2575, 0.0000,

0.2823

0.0466

305.5498, 0.2522,
0.2851

■ 0.0000, 0.0000,
0.0000

■ 44.1465, 0.2037,
0.2461

■ 44.1465, 0.2037,
0.2461

■ 40.9144, 0.1990,
0.2356

■ 47.8292, 0.2103,
0.2568

■ 40.2597, 0.1982,
0.2334

■ 52.0249, 0.2189,
0.2675

■ 56.7855, 0.2295,
0.2780

■ 62.1538, 0.2417,
0.2882

■ 68.1677, 0.2553,
0.2980

■ 74.8617, 0.2699,
0.3072

■ 82.2671, 0.2851,
0.3157

■ 90.4132, 0.3005,
0.3234

■ 98.8682, 0.3145,
0.3304

Harmonies

Analogous

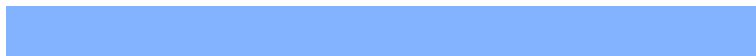
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.1465, 0.2030, 0.2865



44.1465, 0.2037, 0.2461



44.1465, 0.2293, 0.2306

Triad

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



44.1465, 0.2037, 0.2461



44.1465, 0.4017, 0.3038



44.1465, 0.3379, 0.4440

Complementary

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



44.1465, 0.2037, 0.2461



28.5509, 0.5729, 0.3695

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.



44.1465, 0.3954, 0.4356



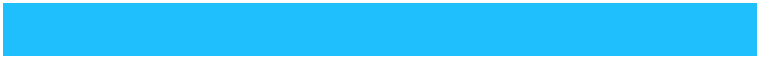
44.1465, 0.2037, 0.2461



44.1465, 0.4364, 0.3514

Square

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



44.1465, 0.2037, 0.2461



44.1465, 0.3411, 0.2636



44.1465, 0.4328, 0.3989



44.1465, 0.2767, 0.4108

Rectangle

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



44.1465, 0.2037, 0.2461



44.1465, 0.2593, 0.2329



44.1465, 0.4328, 0.3989



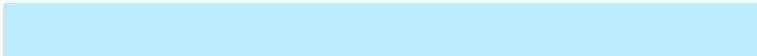
44.1465, 0.3584, 0.4455

Sweetspot

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



44.1480, 0.2037, 0.2461



78.2432, 0.2726, 0.3088



70.6437, 0.2881, 0.5472



16.2098, 0.2675, 0.3057



0.0000, 0.0000, 0.0000



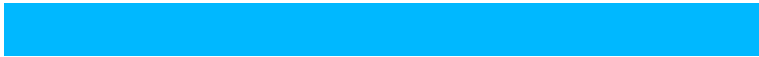
21.4041, 0.3127, 0.3290

Same Dimension

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



44.1480, 0.2037, 0.2461



41.3363, 0.1981, 0.2333



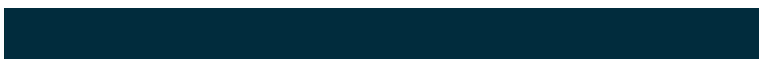
13.3879, 0.1652, 0.1045



18.7388, 0.2980, 0.3222



21.2318, 0.1987, 0.2351



2.1453, 0.2021, 0.2477

Inverse Universe

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



25.3746, 0.3953, 0.2009



24.7041, 0.4092, 0.2028



62.2631, 0.4580, 0.4666



17.4368, 0.3181, 0.3121



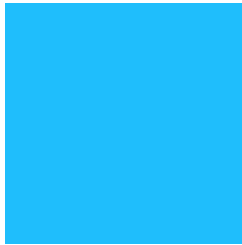
12.5543, 0.4073, 0.2017



1.1808, 0.3945, 0.1947

Previews

White Background



This preview shows how the Yxy color 44.1465, 0.2037, 0.2461 looks on a white background.

Color Contrast Check

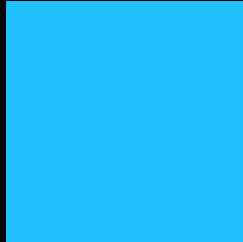
Large Text (above 18pt) WCAG AA × Fail

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 44.1465, 0.2037, 0.2461 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

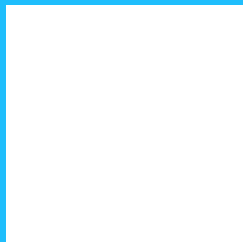
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.1465, 0.2037, 0.2461

Background



This preview shows how black text looks on a background with the Yxy color 44.1465, 0.2037, 0.2461.

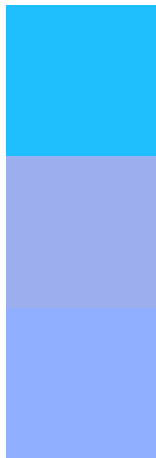


This preview shows how white text looks on a background with the Yxy color 44.1465, 0.2037, 0.2461.

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

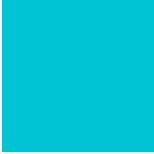
44.1465, 0.2037, 0.2461

Protanopia

43.6722, 0.2535, 0.2481

Deuteranopia

43.8092, 0.2370, 0.2313



Tritanopia

44.1830, 0.2185, 0.3064

Trichromacy



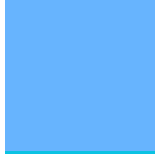
Original Color

44.1465, 0.2037, 0.2461



Protanomaly

42.5537, 0.2260, 0.2453



Deuteranomaly

42.6818, 0.2182, 0.2340



Tritanomaly

44.1457, 0.2125, 0.2829

Monochromacy



Original Color

44.1465, 0.2037, 0.2461



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

33.1603, 0.2494, 0.2945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1465, 0.2037, 0.2461 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(31, 190, 252)` looks like.

```
.text, #text, p{  
    color:rgb(31, 190, 252)  
}
```

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(31, 190, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 190, 252) }
```

Border

The CSS property to change the border of an element to Yxy 44.1465, 0.2037, 0.2461 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(31, 190, 252) }
```

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

```
.border{ border-color:rgb(31, 190, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 190, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 190, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 190, 252);  
box-shadow:4px 4px 4px 4px rgb(31, 190,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1465, 0.2037, 0.2461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 190, 252) }
```

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

```
.background{ background-color: rgb(31, 190,  
252) }
```

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