

Converting Colors

$Y_{xy}(43.5698, 0.2010, 0.2406)$

Have a look what the booklet for
Yxy(43.5698, 0.2010, 0.2406)
contains.

Yxy(43.7344, 0.2012, 0.2412)	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>	30

Color

Yxy(43.7344, 0.2012, 0.2412)

Conversions

Conversions Part 1

Format	Color
Hex	12BDFF
RGB	18, 189, 255
RGB Percent	7%, 74%, 100%
CMY	0.9313, 0.2588, 0.0001
CMYK	0.93, 0.26, 0.00, 0.00
HSL	197°, 100%, 53%
HSV	197°, 93%, 100%
XYZ	36.4816, 43.7344, 101.1041
YIQ	145.3950, -123.1020, -15.7260

Conversions

Conversions Part 2

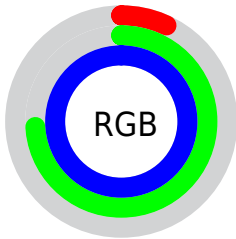
Format	Color
R _Y B	18, 117, 255
Decimal	1228287
CIE Lab	72.05, -16.16, -43.31
CIE LCh	72, 46.224, 249.538
Yxy	43.7344, 0.2012, 0.2412
Android (android.graphics.Color)	4279418367 (0xFF12BDFF)
YUV	145.3950, 54.0353, -111.7254
Hunter-Lab	66.1320, -17.2618, -44.3515

Details

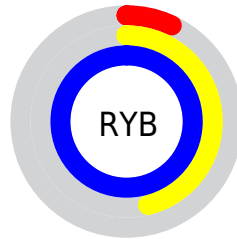
The Yxy color **43.7344, 0.2012, 0.2412** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **27.5600, 0.5885, 0.3648**, and the grayscale version is **28.2339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2378, 0.2409, 0.3171**, and **21.6855, 0.1953, 0.2229** is the 20% darker color. If you saturate the color by 10%, you get **41.5528, 0.1984, 0.2341**, and if you desaturate by 10%, it is **47.2485, 0.2067, 0.2517**.

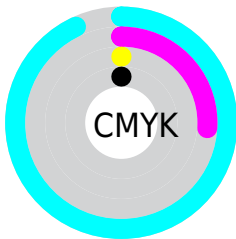
Distribution



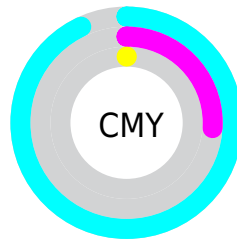
- Red (7%)
- Green (74%)
- Blue (100%)



- Red (7%)
- Yellow (46%)
- Blue (100%)



- Cyan (93%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (93%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.7344, 0.2012, 0.2412 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 43.7344, 0.2012, 0.2412 by changing the saturation by 10% instead.


 43.7344, 0.2012,
0.2412

 43.7344, 0.2012,
0.2412


361.6233, 0.2541,
0.2849


 30.4618, 0.1892,
0.2307


 80.8179, 0.2196,
0.2568

 20.1893, 0.1745,
0.2176


 105.3976, 0.2267,
0.2628


 12.5328, 0.1562,
0.2008


 134.5151, 0.2329,
0.2679

 7.1076, 0.1333,
0.1789

 168.5548, 0.2383,
0.2723

 3.5295, 0.1043,
0.1497

 207.9010, 0.2430,
0.2761

 1.4140, 0.0684,
0.1107

252.9383, 0.2471,

 0.2270, 0.0000,

0.2794

0.0389

304.0509, 0.2508,
0.2823

■ 0.0000, 0.0000,
0.0000

■ 43.7344, 0.2012,
0.2412

■ 43.7344, 0.2012,
0.2412

■ 41.5528, 0.1984,
0.2341

■ 47.2485, 0.2067,
0.2517

■ 51.2558, 0.2142,
0.2623

■ 55.8152, 0.2238,
0.2729

■ 60.9746, 0.2351,
0.2832

■ 66.7754, 0.2480,
0.2932

■ 73.2546, 0.2621,
0.3026

■ 80.4462, 0.2770,
0.3114

■ 88.3813, 0.2923,
0.3195

■ 97.0890, 0.3079,
0.3268

Harmonies

Analogous

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



43.7344, 0.1986, 0.2809



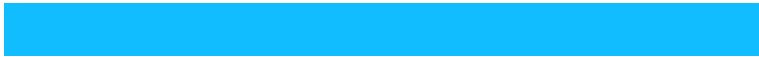
43.7344, 0.2012, 0.2412



43.7344, 0.2292, 0.2271

Triad

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



43.7344, 0.2012, 0.2412



43.7344, 0.4087, 0.3060



43.7344, 0.3340, 0.4476

Complementary

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



43.7344, 0.2012, 0.2412



27.5600, 0.5885, 0.3648

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.



43.7344, 0.3944, 0.4411



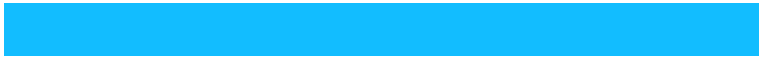
43.7344, 0.2012, 0.2412



43.7344, 0.4420, 0.3553

Square

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



43.7344, 0.2012, 0.2412



43.7344, 0.3469, 0.2639



43.7344, 0.4353, 0.4041



43.7344, 0.2711, 0.4102

Rectangle

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



43.7344, 0.2012, 0.2412



43.7344, 0.2611, 0.2306



43.7344, 0.4353, 0.4041



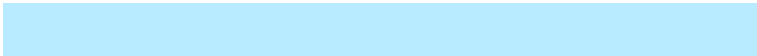
43.7344, 0.3553, 0.4501

Sweetspot

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



43.7359, 0.2012, 0.2412



76.8700, 0.2697, 0.3072



72.2194, 0.2896, 0.5581



15.8026, 0.2633, 0.3033



0.0000, 0.0000, 0.0000



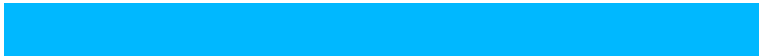
21.4041, 0.3127, 0.3290

Same Dimension

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



43.7359, 0.2012, 0.2412



41.5621, 0.1984, 0.2341



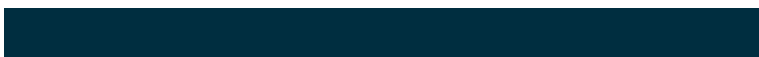
12.0975, 0.1607, 0.0941



19.5779, 0.2980, 0.3222



21.9812, 0.1988, 0.2358



2.3242, 0.2022, 0.2477

Inverse Universe

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



25.3463, 0.4007, 0.2006



24.7269, 0.4084, 0.2023



62.4059, 0.4631, 0.4670



18.2092, 0.3181, 0.3120



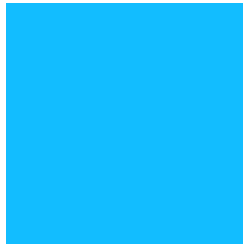
12.9470, 0.4066, 0.2014



1.2792, 0.3945, 0.1947

Previews

White Background



This preview shows how the Yxy color 43.7344, 0.2012, 0.2412 looks on a white background.

Color Contrast Check

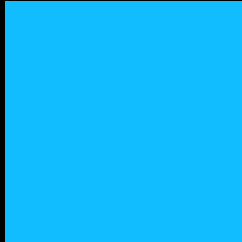
Large Text (above 18pt) WCAG AA × Fail

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 43.7344, 0.2012, 0.2412 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

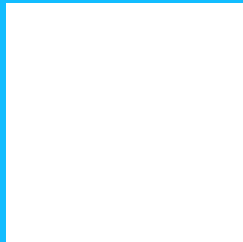
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.7344, 0.2012, 0.2412

Background



This preview shows how black text looks on a background with the Yxy color 43.7344, 0.2012, 0.2412.



This preview shows how white text looks on a background with the Yxy color 43.7344, 0.2012, 0.2412.

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

43.7438, 0.2012, 0.2412

Protanopia

43.1680, 0.2496, 0.2432

Deuteranopia

43.1548, 0.2350, 0.2296



Tritanopia

43.6834, 0.2184, 0.3063

Trichromacy



Original Color

43.7438, 0.2012, 0.2412

Protanomaly

41.8987, 0.2212, 0.2400

Deuteranomaly

41.9470, 0.2147, 0.2310

Tritanomaly

43.6696, 0.2118, 0.2814

Monochromacy



Original Color

43.7438, 0.2012, 0.2412

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

31.6452, 0.2447, 0.2906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7344, 0.2012, 0.2412 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(18, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(18, 189, 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(18, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.7344, 0.2012, 0.2412 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(18, 189, 255) }
```

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

```
.border{ border-color:rgb(18, 189, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 189, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(18, 189,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7344, 0.2012, 0.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 189, 255) }
```

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

```
.background{ background-color: rgb(18, 189,  
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](#).

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