

Converting Colors

$Y_{xy}(42.7205, 0.2013, 0.2375)$

Have a look what the booklet for
Yxy(42.7205, 0.2013, 0.2375)
contains.

Yxy(42.6291, 0.2013, 0.2372)	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(42.6291, 0.2013, 0.2372)

Conversions

Conversions Part 1

Format	Color
Hex	1FBAFF
RGB	31, 186, 255
RGB Percent	12%, 73%, 100%
CMY	0.8773, 0.2706, 0.0001
CMYK	0.88, 0.27, 0.00, 0.00
HSL	199°, 100%, 56%
HSV	199°, 88%, 100%
XYZ	36.1772, 42.6291, 100.9116
YIQ	147.5210, -114.5290, -11.4010

Conversions

Conversions Part 2

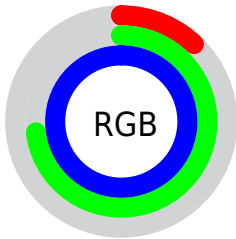
Format	Color
R _Y B	31, 123, 255
Decimal	2079487
CIE Lab	71.30, -13.95, -44.47
CIE LCh	71, 46.609, 252.588
Yxy	42.6291, 0.2013, 0.2372
Android (android.graphics.Color)	4280269567 (0xFF1FBAFF)
YUV	147.5210, 52.9871, -102.1889
Hunter-Lab	65.2910, -15.3537, -45.9331

Details

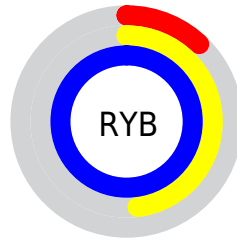
The Yxy color **42.6291, 0.2013, 0.2372** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **30.5250, 0.5661, 0.3751**, and the grayscale version is **29.2527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7173, 0.2415, 0.3136**, and **20.8523, 0.1937, 0.2174** is the 20% darker color. If you saturate the color by 10%, you get **39.1494, 0.1963, 0.2256**, and if you desaturate by 10%, it is **46.6034, 0.2083, 0.2491**.

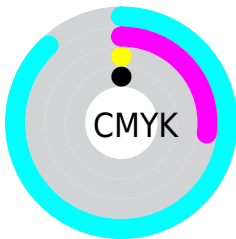
Distribution



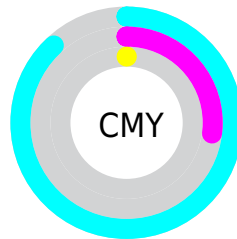
- Red (12%)
- Green (73%)
- Blue (100%)



- Red (12%)
- Yellow (48%)
- Blue (100%)



- Cyan (88%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (88%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6291, 0.2013, 0.2372 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 42.6291, 0.2013, 0.2372 by changing the saturation by 10% instead.

42.6291, 0.2013,
0.2372

42.6291, 0.2013,
0.2372

357.0842, 0.2544,
0.2828

29.5942, 0.1892,
0.2263

79.1509, 0.2198,
0.2535

19.5308, 0.1744,
0.2127

103.4065, 0.2270,
0.2597

12.0544, 0.1560,
0.1954

132.1712, 0.2331,
0.2650

6.7808, 0.1328,
0.1728

165.8294, 0.2385,
0.2696

3.3254, 0.1035,
0.1430

204.7653, 0.2432,
0.2735

1.3039, 0.0674,
0.1035

249.3635, 0.2474,

0.1442, 0.0000,

0.2770

0.0252

300.0084, 0.2511,
0.2801

■ 0.0000, 0.0000,
0.0000

■ 42.6291, 0.2013,
0.2372

■ 42.6291, 0.2013,
0.2372

■ 39.1494, 0.1963,
0.2256

■ 46.6034, 0.2083,
0.2491

■ 38.4043, 0.1953,
0.2229

■ 51.1367, 0.2174,
0.2610

■ 56.2829, 0.2284,
0.2727

■ 62.0868, 0.2411,
0.2840

■ 68.5880, 0.2550,
0.2949

■ 75.8225, 0.2698,
0.3050

■ 83.8233, 0.2852,
0.3144

■ 92.6210, 0.3007,
0.3230

■ 99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



42.6291, 0.1960, 0.2747



42.6291, 0.2013, 0.2372



42.6291, 0.2322, 0.2255

Triad

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



42.6291, 0.2013, 0.2372



42.6291, 0.4155, 0.3104



42.6291, 0.3275, 0.4480

Complementary

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



42.6291, 0.2013, 0.2372



30.5250, 0.5661, 0.3751

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.



42.6291, 0.3899, 0.4453



42.6291, 0.2013, 0.2372



42.6291, 0.4454, 0.3607

Square

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



42.6291, 0.2013, 0.2372



42.6291, 0.3544, 0.2667



42.6291, 0.4343, 0.4097



42.6291, 0.2644, 0.4057

Rectangle

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



42.6291, 0.2013, 0.2372



42.6291, 0.2660, 0.2306



42.6291, 0.4343, 0.4097



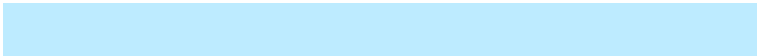
42.6291, 0.3493, 0.4520

Sweetspot

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



42.6305, 0.2013, 0.2372



77.1615, 0.2724, 0.3067



72.6927, 0.2858, 0.5389



15.9512, 0.2672, 0.3033



0.0000, 0.0000, 0.0000



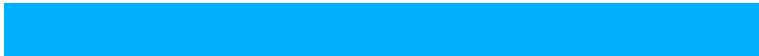
21.4041, 0.3127, 0.3290

Same Dimension

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



42.6305, 0.2013, 0.2372



38.4110, 0.1953, 0.2229



12.6881, 0.1634, 0.0977



19.4805, 0.2980, 0.3215



20.3479, 0.1958, 0.2249



2.1754, 0.1995, 0.2381

Inverse Universe

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



25.7967, 0.4042, 0.2061



24.4088, 0.4201, 0.2088



67.5702, 0.4513, 0.4721



18.1994, 0.3186, 0.3127



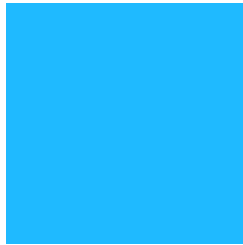
12.7821, 0.4181, 0.2077



1.2641, 0.4042, 0.2000

Previews

White Background



This preview shows how the Yxy color 42.6291, 0.2013, 0.2372 looks on a white background.

Color Contrast Check

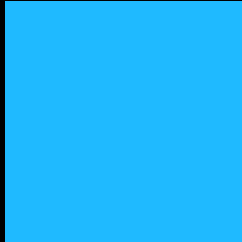
Large Text (above 18pt) WCAG AA × Fail

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 42.6291, 0.2013, 0.2372 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

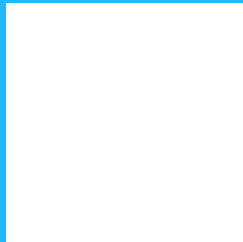
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6291, 0.2013, 0.2372

Background



This preview shows how black text looks on a background with the Yxy color 42.6291, 0.2013, 0.2372.

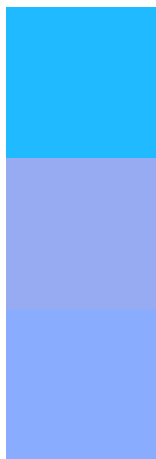


This preview shows how white text looks on a background with the Yxy color 42.6291, 0.2013, 0.2372.

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

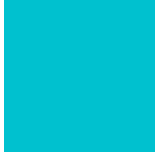
42.6291, 0.2013, 0.2372

Protanopia

42.1762, 0.2467, 0.2392

Deuteranopia

42.0434, 0.2323, 0.2265



Tritanopia

42.6449, 0.2188, 0.3076

Trichromacy



Original Color

42.6291, 0.2013, 0.2372

Protanomaly

40.8919, 0.2217, 0.2362

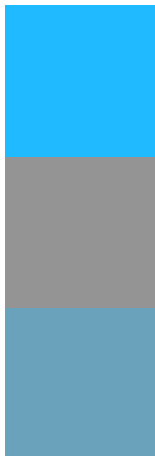
Deuteranomaly

41.3169, 0.2153, 0.2286

Tritanomaly

42.2799, 0.2116, 0.2795

Monochromacy



Original Color

42.6291, 0.2013, 0.2372

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

32.4927, 0.2482, 0.2897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6291, 0.2013, 0.2372 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, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(31, 186, 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(31, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.6291, 0.2013, 0.2372 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, 186, 255) }
```

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

```
.border{ border-color:rgb(31, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(31, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6291, 0.2013, 0.2372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 186, 255) }
```

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

```
.background{ background-color: rgb(31, 186,  
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