

Converting Colors

$Y_{xy}(77.1064, 0.2120, 0.2759)$

Have a look what the booklet for
Yxy(77.1064, 0.2120, 0.2759)
contains.

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Color

Yxy(74.1926, 0.2244, 0.3190)

Conversions

Conversions Part 1

Format	Color
Hex	28F7FF
RGB	40, 247, 255
RGB Percent	16%, 97%, 100%
CMY	0.8428, 0.0314, 0.0000
CMYK	0.84, 0.03, 0.00, 0.00
HSL	182°, 100%, 58%
HSV	182°, 84%, 100%
XYZ	52.1907, 74.1926, 106.1954
YIQ	186.0190, -125.9400, -41.3960

Conversions

Conversions Part 2

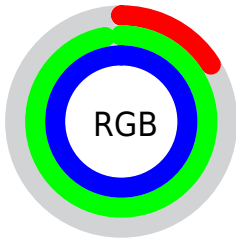
Format	Color
R _Y B	40, 145, 255
Decimal	2684927
CIE Lab	89.01, -43.21, -17.28
CIE LCh	89, 46.535, 201.802
Yxy	74.1926, 0.2244, 0.3190
Android (android.graphics.Color)	4280875007 (0xFF28F7FF)
YUV	186.0190, 34.0076, -128.0587
Hunter-Lab	86.1351, -42.5805, -12.8037

Details

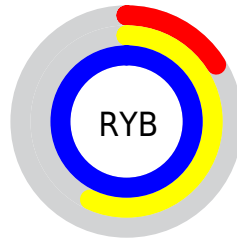
The Yxy color **74.1926, 0.2244, 0.3190** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.5359, 0.6052, 0.3337**, and the grayscale version is **48.9894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **40.9041, 0.2212, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **73.2598, 0.2222, 0.3178**, and if you desaturate by 10%, it is **75.4673, 0.2284, 0.3203**.

Distribution



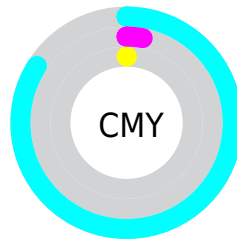
- Red (16%)
- Green (97%)
- Blue (100%)



- Red (16%)
- Yellow (57%)
- Blue (100%)



- Cyan (84%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (84%)
- Magenta (3%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 74.1926, 0.2244, 0.3190 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 74.1926, 0.2244, 0.3190 by changing the saturation by 10% instead.


 74.1926, 0.2244,
0.3190

 74.1926, 0.2244,
0.3190


 475.1378, 0.2637,
0.3250


 54.9517, 0.2159,
0.3173


 125.1688, 0.2377,
0.3213


 39.3630, 0.2056,
0.3151

 157.6729, 0.2430,
0.3222


 27.0423, 0.1929,
0.3121


 195.3668, 0.2475,
0.3229

 17.6050, 0.1770,
0.3078

 238.6349, 0.2516,
0.3234

 10.6668, 0.1566,
0.3013

 287.8617, 0.2551,
0.3239

 5.8432, 0.1299,
0.2910

 343.4315, 0.2583,

 2.7500, 0.0943,

0.3243

0.2730

405.7288, 0.2611,
0.3247

■ 1.0026, 0.0000,
0.2505

■ 0.0000, 0.0000,
0.0000

■ 74.1926, 0.2244,
0.3190

■ 74.1926, 0.2244,
0.3190

■ 73.2598, 0.2222,
0.3178

■ 75.4673, 0.2284,
0.3203

■ 72.8313, 0.2214,
0.3171

■ 77.1372, 0.2344,
0.3216

■ 79.2503, 0.2423,
0.3228

■ 81.8467, 0.2520,
0.3241

84.9620, 0.2636,
0.3253

88.6286, 0.2766,
0.3265

92.8761, 0.2909,
0.3276

97.7319, 0.3060,
0.3286

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



74.1926, 0.2587, 0.3756



74.1926, 0.2244, 0.3190



74.1926, 0.2126, 0.2724

Triad

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



74.1926, 0.2244, 0.3190



74.1926, 0.3081, 0.2568



74.1926, 0.4062, 0.4091

Complementary

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



74.1926, 0.2244, 0.3190



23.5359, 0.6052, 0.3337

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.



74.1926, 0.4240, 0.3708



74.1926, 0.2244, 0.3190



74.1926, 0.3648, 0.2870

Square

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



74.1926, 0.2244, 0.3190



74.1926, 0.2574, 0.2420



74.1926, 0.4089, 0.3273



74.1926, 0.3635, 0.4299

Rectangle

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



74.1926, 0.2244, 0.3190



74.1926, 0.2177, 0.2526



74.1926, 0.4089, 0.3273



74.1926, 0.4155, 0.3976

Sweetspot

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



74.1939, 0.2244, 0.3190



88.3438, 0.2756, 0.3264



72.1804, 0.2996, 0.5820



18.6227, 0.2709, 0.3260



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.



74.1939, 0.2244, 0.3190



72.8313, 0.2214, 0.3171



26.5421, 0.1852, 0.1733



20.3586, 0.2980, 0.3281



38.1074, 0.2215, 0.3173



3.7451, 0.2219, 0.3187

Inverse Universe

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



29.4995, 0.3287, 0.1649



27.8835, 0.3306, 0.1595



44.7609, 0.5033, 0.4226



18.2880, 0.3144, 0.3064



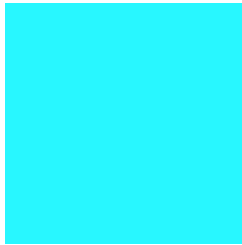
14.5749, 0.3305, 0.1594



1.4226, 0.3293, 0.1588

Previews

White Background



This preview shows how the Yxy color 74.1926, 0.2244, 0.3190 looks on a white background.

Color Contrast Check

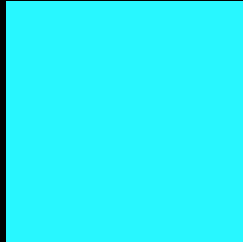
Large Text (above 18pt) WCAG AA × Fail

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 74.1926, 0.2244, 0.3190 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 74.1926, 0.2244, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 74.1926, 0.2244, 0.3190.

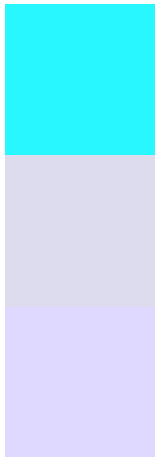


This preview shows how white text looks on a background with the Yxy color 74.1926, 0.2244, 0.3190.

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

74.1926, 0.2244, 0.3190

Protanopia

72.7316, 0.3018, 0.3098

Deuteranopia

72.5337, 0.2925, 0.2895



Tritanopia

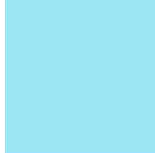
73.9002, 0.2429, 0.3113

Trichromacy



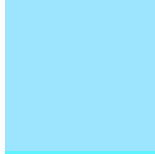
Original Color

74.1926, 0.2244, 0.3190



Protanomaly

70.0938, 0.2592, 0.3125



Deuteranomaly

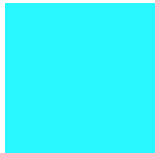
69.7747, 0.2541, 0.2979



Tritanomaly

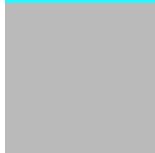
73.7009, 0.2335, 0.3145

Monochromacy



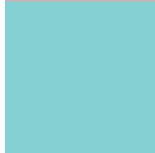
Original Color

74.1926, 0.2244, 0.3190



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

54.8014, 0.2608, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.1926, 0.2244, 0.3190 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(40, 247, 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(40, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 74.1926, 0.2244, 0.3190 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, 247, 255) }
```

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

```
.border{ border-color:rgb(40, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(40, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 74.1926, 0.2244, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 247, 255) }
```

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

```
.background{ background-color: rgb(40, 247,  
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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