

Converting Colors

$Yxy(99.9405, 0.2532, 0.3710)$

Have a look what the booklet for
Yxy(99.9405, 0.2532, 0.3710)
contains.

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Color

Yxy(81.6291, 0.2471, 0.3417)

Conversions

Conversions Part 1

Format	Color
Hex	72FFF4
RGB	114, 255, 244
RGB Percent	45%, 100%, 96%
CMY	0.5529, 0.0000, 0.0431
CMYK	0.55, 0.00, 0.04, 0.00
HSL	175°, 100%, 72%
HSV	175°, 55%, 100%
XYZ	59.0300, 81.6291, 98.2320
YIQ	211.5870, -80.5050, -33.3130

Conversions

Conversions Part 2

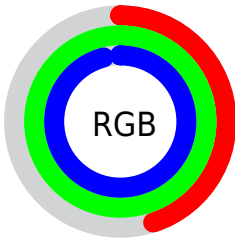
Format	Color
RYB	114, 187, 255
Decimal	7536628
CIELab	92.41, -40.69, -6.34
CIELCh	92, 41.185, 188.853
Yxy	81.6291, 0.2471, 0.3417
Android (android.graphics.Color)	4285726708 (0xFF72FFF4)
YUV	211.5870, 15.9796, -85.5838
Hunter-Lab	90.3488, -41.4863, -1.2191

Details

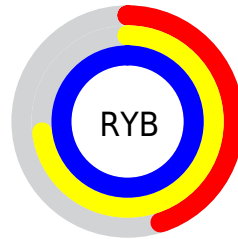
The Yxy color **81.6291, 0.2471, 0.3417** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.7808, 0.4668, 0.3186**, and the grayscale version is **65.4862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **44.4311, 0.2330, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **80.0318, 0.2404, 0.3444**, and if you desaturate by 10%, it is **83.7072, 0.2557, 0.3391**.

Distribution



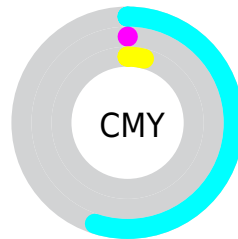
- Red (45%)
- Green (100%)
- Blue (96%)



- Red (45%)
- Yellow (73%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6291, 0.2471, 0.3417 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 81.6291, 0.2471, 0.3417 by changing the saturation by 10% instead.


 81.6291, 0.2471,
0.3417

 81.6291, 0.2471,
0.3417


500.4062, 0.2763,
0.3365


 61.0599, 0.2407,
0.3427


 135.6538, 0.2570,
0.3400

 44.2735, 0.2329,
0.3439


 169.8779, 0.2609,
0.3393

 30.8856, 0.2233,
0.3453


 209.4226, 0.2643,
0.3387

 20.5117, 0.2112,
0.3469

254.6721, 0.2673,
0.3382

 12.7676, 0.1953,
0.3487

306.0108, 0.2700,
0.3377

 7.2687, 0.1738,
0.3506

363.8231, 0.2723,

 3.6307, 0.1436,

0.3373

428.4934, 0.2744,
0.3369

0.3521

1.4692, 0.0765,
0.3596

0.2669, 0.0000,
0.2667

81.6291, 0.2471,
0.3417

81.6291, 0.2471,
0.3417

80.0318, 0.2404,
0.3444

83.7072, 0.2557,
0.3391

78.8701, 0.2356,
0.3470

86.2978, 0.2661,
0.3366

78.0980, 0.2328,
0.3497

89.4347, 0.2780,
0.3342

77.6569, 0.2317,
0.3523

93.1479, 0.2910,
0.3320

■ 77.5242, 0.2316,
0.3536

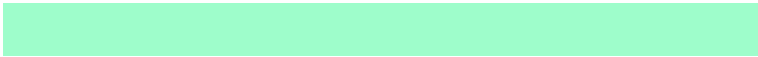
■ 97.4652, 0.3050,
0.3300

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.



81.6291, 0.2844, 0.3870



81.6291, 0.2471, 0.3417



81.6291, 0.2276, 0.2964

Triad

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



81.6291, 0.2471, 0.3417



81.6291, 0.2888, 0.2585



81.6291, 0.4031, 0.3861

Complementary

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



81.6291, 0.2471, 0.3417



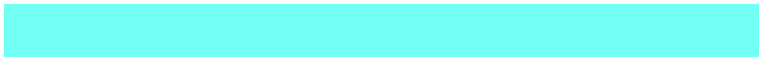
34.7808, 0.4668, 0.3186

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.



81.6291, 0.4060, 0.3500



81.6291, 0.2471, 0.3417



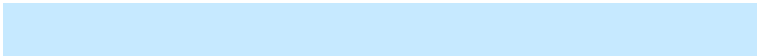
81.6291, 0.3370, 0.2798

Square

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



81.6291, 0.2471, 0.3417



81.6291, 0.2502, 0.2528



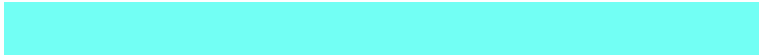
81.6291, 0.3812, 0.3122



81.6291, 0.3749, 0.4109

Rectangle

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



81.6291, 0.2471, 0.3417



81.6291, 0.2261, 0.2736



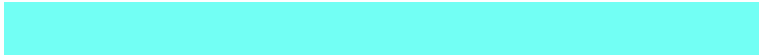
81.6291, 0.3812, 0.3122



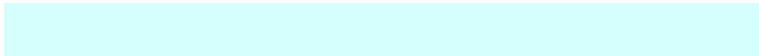
81.6291, 0.4072, 0.3748

Sweetspot

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



81.6306, 0.2471, 0.3417



92.4692, 0.2887, 0.3324



77.1536, 0.3099, 0.5048



19.6268, 0.2861, 0.3328



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.



81.6306, 0.2471, 0.3417



79.9348, 0.2400, 0.3445



50.3958, 0.2272, 0.2556



20.4556, 0.2990, 0.3308



40.5184, 0.2314, 0.3531



3.9521, 0.2306, 0.3501

Inverse Universe

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



34.7808, 0.4668, 0.3186



28.9447, 0.5156, 0.3181



52.2717, 0.4405, 0.3891



18.0101, 0.3282, 0.3272



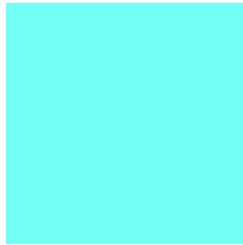
11.1431, 0.6319, 0.3255



1.0925, 0.6143, 0.3158

Previews

White Background



This preview shows how the Yxy color 81.6291, 0.2471, 0.3417 looks on a white background.

Color Contrast Check

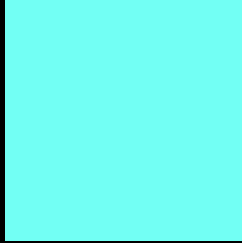
Large Text (above 18pt) WCAG AA × Fail

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 81.6291, 0.2471, 0.3417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

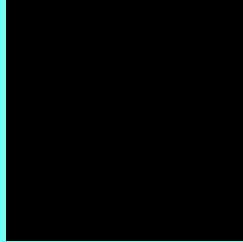
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.6291, 0.2471, 0.3417

Background



This preview shows how black text looks on a background with the Yxy color 81.6291, 0.2471, 0.3417.

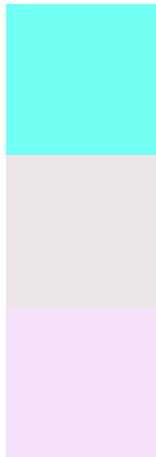


This preview shows how white text looks on a background with the Yxy color 81.6291, 0.2471, 0.3417.

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

81.6291, 0.2471, 0.3417

Protanopia

80.1397, 0.3168, 0.3290

Deuteranopia

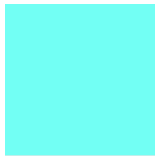
80.1650, 0.3105, 0.3041



Tritanopia

81.0245, 0.2686, 0.3158

Trichromacy



Original Color

81.6291, 0.2471, 0.3417



Protanomaly

78.9376, 0.2855, 0.3333



Deuteranomaly

78.6385, 0.2811, 0.3159



Tritanomaly

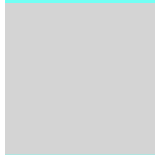
80.5545, 0.2592, 0.3243

Monochromacy



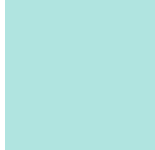
Original Color

81.6291, 0.2471, 0.3417



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.0987, 0.2813, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6291, 0.2471, 0.3417 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(114, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(114, 255, 244)  
}
```

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(114, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 255, 244) }
```

Border

The CSS property to change the border of an element to Yxy 81.6291, 0.2471, 0.3417 is called "border". The border property can be set on classes, ids or directly on the HTML element.

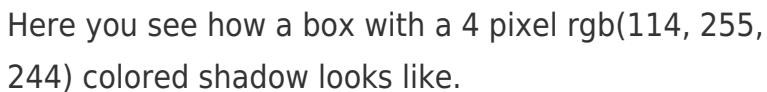
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 255, 244) }
```

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

```
.border{ border-color:rgb(114, 255, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(114, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 255, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 255, 244); box-shadow:4px 4px 4px 4px rgb(114, 255, 244) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6291, 0.2471, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 255, 244) }
```

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

```
.background{ background-color: rgb(114,  
255, 244) }
```

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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