

Converting Colors

$Yxy(94.7884, 0.2521, 0.3703)$

Have a look what the booklet for
Yxy(94.7884, 0.2521, 0.3703)
contains.

Yxy(81.0032, 0.2475, 0.3478)	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(81.0032, 0.2475, 0.3478)

Conversions

Conversions Part 1

Format	Color
Hex	6DFFEF
RGB	109, 255, 239
RGB Percent	43%, 100%, 94%
CMY	0.5727, 0.0000, 0.0628
CMYK	0.57, 0.00, 0.06, 0.00
HSL	173°, 100%, 71%
HSV	173°, 57%, 100%
XYZ	57.6432, 81.0032, 94.2553
YIQ	209.5220, -81.8800, -35.9280

Conversions

Conversions Part 2

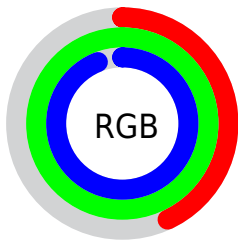
Format	Color
RYB	109, 186, 255
Decimal	7208943
CIELab	92.13, -42.86, -4.17
CIElCh	92, 43.067, 185.561
Yxy	81.0032, 0.2475, 0.3478
Android (android.graphics.Color)	4285399023 (0xFF6DFFEF)
YUV	209.5220, 14.5327, -88.1578
Hunter-Lab	90.0018, -43.1798, 0.9092

Details

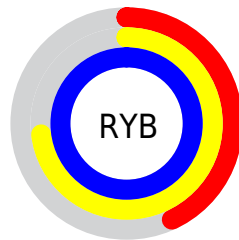
The Yxy color **81.0032, 0.2475, 0.3478** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.6716, 0.4697, 0.3138**, and the grayscale version is **64.0563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **44.0401, 0.2336, 0.3523** is the 20% darker color. If you saturate the color by 10%, you get **79.4486, 0.2414, 0.3516**, and if you desaturate by 10%, it is **83.0256, 0.2555, 0.3441**.

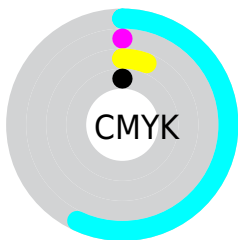
Distribution



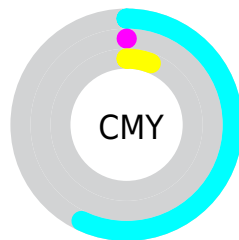
- Red (43%)
- Green (100%)
- Blue (94%)



- Red (43%)
- Yellow (73%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (57%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0032, 0.2475, 0.3478 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 81.0032, 0.2475, 0.3478 by changing the saturation by 10% instead.

 81.0032, 0.2475,
0.3478

 81.0032, 0.2475,
0.3478


498.3073, 0.2767,
0.3397


 60.5442, 0.2411,
0.3495


 134.7753, 0.2574,
0.3451

 43.8575, 0.2333,
0.3515


 168.8571, 0.2613,
0.3440

 30.5585, 0.2236,
0.3540

 208.2488, 0.2647,
0.3431

 20.2629, 0.2114,
0.3570

253.3346, 0.2677,
0.3423

 12.5863, 0.1953,
0.3608

304.4990, 0.2703,
0.3415

 7.1443, 0.1735,
0.3655

362.1263, 0.2727,

 3.5525, 0.1425,

0.3409

0.3713

426.6009, 0.2748,
0.3403

■ 1.4265, 0.0632,
0.3912

■ 0.2361, 0.0000,
0.3008

■ 81.0032, 0.2475,
0.3478

■ 81.0032, 0.2475,
0.3478

■ 79.4486, 0.2414,
0.3516

■ 83.0256, 0.2555,
0.3441

■ 78.3253, 0.2372,
0.3554

■ 85.5582, 0.2653,
0.3405

■ 77.5825, 0.2350,
0.3593

■ 88.6322, 0.2766,
0.3371

■ 77.1565, 0.2345,
0.3631

■ 92.2781, 0.2891,
0.3339

■ 77.0691, 0.2345,
0.3641

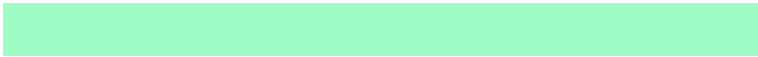
■ 96.5239, 0.3025,
0.3310

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.



81.0032, 0.2880, 0.3944



81.0032, 0.2475, 0.3478



81.0032, 0.2250, 0.2993

Triad

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



81.0032, 0.2475, 0.3478



81.0032, 0.2824, 0.2540



81.0032, 0.4091, 0.3846

Complementary

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



81.0032, 0.2475, 0.3478



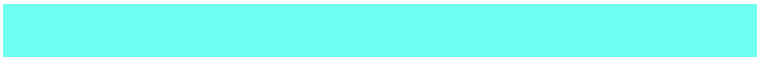
33.6716, 0.4697, 0.3138

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.



81.0032, 0.4091, 0.3463



81.0032, 0.2475, 0.3478



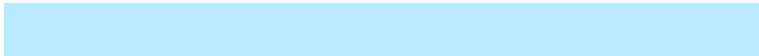
81.0032, 0.3325, 0.2745

Square

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



81.0032, 0.2475, 0.3478



81.0032, 0.2439, 0.2499



81.0032, 0.3802, 0.3072



81.0032, 0.3819, 0.4128

Rectangle

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



81.0032, 0.2475, 0.3478



81.0032, 0.2219, 0.2742



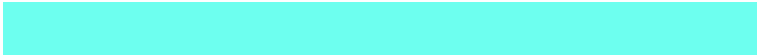
81.0032, 0.3802, 0.3072



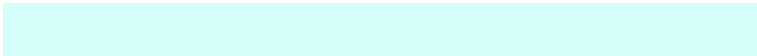
81.0032, 0.4124, 0.3724

Sweetspot

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



81.0014, 0.2475, 0.3478



92.3829, 0.2895, 0.3338



77.0599, 0.3120, 0.5102



19.6062, 0.2869, 0.3344



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.



81.0014, 0.2475, 0.3478



79.2242, 0.2405, 0.3523



51.3270, 0.2259, 0.2589



20.4451, 0.2995, 0.3316



40.2841, 0.2343, 0.3635



3.9317, 0.2331, 0.3591

Inverse Universe

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



33.6716, 0.4697, 0.3138



27.7473, 0.5223, 0.3133



49.2558, 0.4501, 0.3859



18.0194, 0.3277, 0.3264



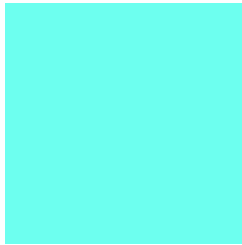
11.1628, 0.6273, 0.3229



1.0969, 0.6047, 0.3105

Previews

White Background



This preview shows how the Yxy color 81.0032, 0.2475, 0.3478 looks on a white background.

Color Contrast Check

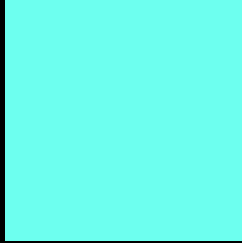
Large Text (above 18pt) WCAG AA × Fail

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 81.0032, 0.2475, 0.3478 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 81.0032, 0.2475, 0.3478

Background



This preview shows how black text looks on a background with the Yxy color 81.0032, 0.2475, 0.3478.

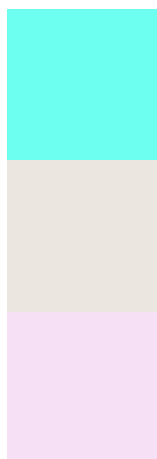


This preview shows how white text looks on a background with the Yxy color 81.0032, 0.2475, 0.3478.

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

81.0032, 0.2475, 0.3478

Protanopia

79.8083, 0.3207, 0.3353

Deuteranopia

79.5580, 0.3137, 0.3070



Tritanopia

80.0714, 0.2669, 0.3146

Trichromacy



Original Color

81.0032, 0.2475, 0.3478



Protanomaly

78.3373, 0.2876, 0.3401



Deuteranomaly

77.6235, 0.2832, 0.3202



Tritanomaly

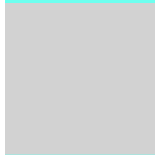
80.0365, 0.2583, 0.3266

Monochromacy



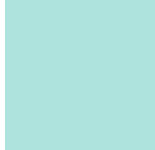
Original Color

81.0032, 0.2475, 0.3478



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.4974, 0.2810, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0032, 0.2475, 0.3478 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(109, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(109, 255, 239)  
}
```

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(109, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 81.0032, 0.2475, 0.3478 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(109, 255, 239) }
```

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

```
.border{ border-color:rgb(109, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(109, 255,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0032, 0.2475, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 255, 239) }
```

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

```
.background{ background-color: rgb(109,  
255, 239) }
```

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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