

Converting Colors

$Y_{xy}(100.0000, 0.2497, 0.3841)$

Have a look what the booklet for
Yxy(100.0000, 0.2497, 0.3841)
contains.

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Color

Yxy(79.5546, 0.2421, 0.3518)

Conversions

Conversions Part 1

Format	Color
Hex	56FFEC
RGB	86, 255, 236
RGB Percent	34%, 100%, 93%
CMY	0.6622, 0.0000, 0.0745
CMYK	0.66, 0.00, 0.07, 0.00
HSL	173°, 100%, 67%
HSV	173°, 66%, 100%
XYZ	54.7475, 79.5546, 91.8338
YIQ	202.3030, -94.6250, -41.7370

Conversions

Conversions Part 2

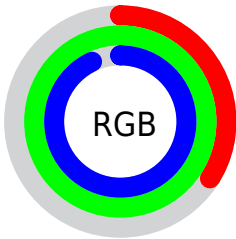
Format	Color
RYB	86, 176, 255
Decimal	5701612
CIELab	91.48, -47.28, -3.64
CIElCh	91, 47.418, 184.409
Yxy	79.5546, 0.2421, 0.3518
Android (android.graphics.Color)	4283891692 (0xFF56FFEC)
YUV	202.3030, 16.6126, -101.9977
Hunter-Lab	89.1934, -46.5239, 1.3902

Details

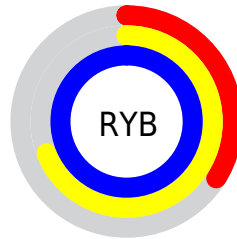
The Yxy color **79.5546, 0.2421, 0.3518** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **28.9576, 0.5090, 0.3128**, and the grayscale version is **59.2240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **43.2278, 0.2322, 0.3559** is the 20% darker color. If you saturate the color by 10%, you get **78.3881, 0.2378, 0.3558**, and if you desaturate by 10%, it is **81.1615, 0.2484, 0.3479**.

Distribution



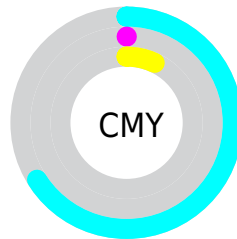
- Red (34%)
- Green (100%)
- Blue (93%)



- Red (34%)
- Yellow (69%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (66%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.5546, 0.2421, 0.3518 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 79.5546, 0.2421, 0.3518 by changing the saturation by 10% instead.


 79.5546, 0.2421,
0.3518


 79.5546, 0.2421,
0.3518


493.4305, 0.2738,
0.3419

 59.3519, 0.2351,
0.3539


 132.7393, 0.2529,
0.3485


 42.8965, 0.2267,
0.3564


 166.4902, 0.2571,
0.3472

 29.8039, 0.2162,
0.3595


 205.5258, 0.2608,
0.3460

 19.6898, 0.2028,
0.3633

 250.2307, 0.2640,
0.3450

 12.1697, 0.1854,
0.3680

300.9893, 0.2669,
0.3441

 6.8594, 0.1617,
0.3741


358.1858, 0.2694,


 3.3743, 0.1284,


0.3433


0.3817


422.2048, 0.2717,
0.3425


 1.3301, 0.0170,
0.4165

 0.1644, 0.0000,
0.2748


 79.5546, 0.2421,
0.3518


 79.5546, 0.2421,
0.3518


 78.3881, 0.2378,
0.3558


 81.1615, 0.2484,
0.3479


 77.6047, 0.2354,
0.3597

 83.2410, 0.2566,
0.3441

 77.1472, 0.2347,
0.3636

 85.8325, 0.2666,
0.3404

 77.0253, 0.2347,
0.3650

 88.9688, 0.2779,
0.3369

■ 92.6802, 0.2905,
0.3337

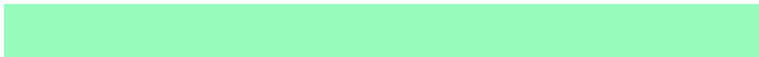
■ 96.9944, 0.3040,
0.3307

99.9963, 0.3127,
0.3290

Harmonies

Analogous

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



79.5546, 0.2870, 0.4037



79.5546, 0.2421, 0.3518



79.5546, 0.2170, 0.2974

Triad

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



79.5546, 0.2421, 0.3518



79.5546, 0.2772, 0.2463



79.5546, 0.4198, 0.3879

Complementary

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



79.5546, 0.2421, 0.3518



28.9576, 0.5090, 0.3128

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.



79.5546, 0.4189, 0.3456



79.5546, 0.2421, 0.3518



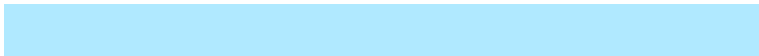
79.5546, 0.3321, 0.2681

Square

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



79.5546, 0.2421, 0.3518



79.5546, 0.2358, 0.2424



79.5546, 0.3857, 0.3032



79.5546, 0.3903, 0.4205

Rectangle

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



79.5546, 0.2421, 0.3518



79.5546, 0.2131, 0.2695



79.5546, 0.3857, 0.3032



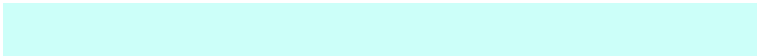
79.5546, 0.4232, 0.3743

Sweetspot

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



79.5577, 0.2421, 0.3518



91.2136, 0.2857, 0.3349



75.2441, 0.3105, 0.5387



19.3009, 0.2821, 0.3358



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.



79.5577, 0.2421, 0.3518



78.1382, 0.2369, 0.3568



46.1453, 0.2148, 0.2456



20.4442, 0.2995, 0.3317



40.2636, 0.2346, 0.3644



3.9299, 0.2333, 0.3599

Inverse Universe

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



28.9576, 0.5090, 0.3128



24.3812, 0.5658, 0.3146



44.0216, 0.4798, 0.3914



18.0203, 0.3277, 0.3264



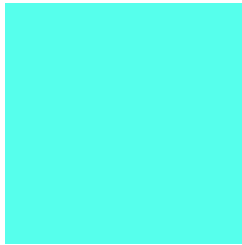
11.1648, 0.6269, 0.3227



1.0973, 0.6038, 0.3100

Previews

White Background



This preview shows how the Yxy color 79.5546, 0.2421, 0.3518 looks on a white background.

Color Contrast Check

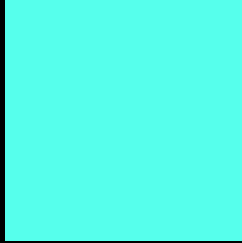
Large Text (above 18pt) WCAG AA × Fail

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 79.5546, 0.2421, 0.3518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

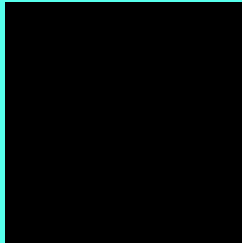
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.5546, 0.2421, 0.3518

Background



This preview shows how black text looks on a background with the Yxy color 79.5546, 0.2421, 0.3518.

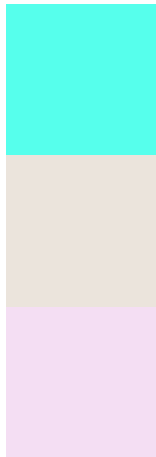


This preview shows how white text looks on a background with the Yxy color 79.5546, 0.2421, 0.3518.

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

79.5546, 0.2421, 0.3518

Protanopia

78.3163, 0.3228, 0.3374

Deuteranopia

77.9467, 0.3144, 0.3078



Tritanopia

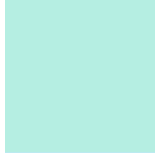
78.8313, 0.2613, 0.3144

Trichromacy



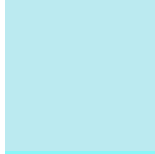
Original Color

79.5546, 0.2421, 0.3518



Protanomaly

76.4638, 0.2839, 0.3426



Deuteranomaly

75.7017, 0.2794, 0.3222



Tritanomaly

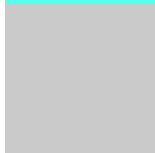
78.6172, 0.2522, 0.3277

Monochromacy



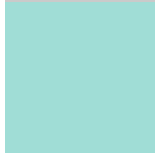
Original Color

79.5546, 0.2421, 0.3518



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

64.0415, 0.2766, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5546, 0.2421, 0.3518 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(86, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(86, 255, 236)  
}
```

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(86, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 79.5546, 0.2421, 0.3518 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(86, 255, 236) }
```

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

```
.border{ border-color:rgb(86, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(86, 255,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5546, 0.2421, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 255, 236) }
```

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

```
.background{ background-color: rgb(86, 255,  
236) }
```

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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