

Converting Colors

$Y_{xy}(67.5195, 0.2384, 0.3509)$

Have a look what the booklet for
Yxy(67.5195, 0.2384, 0.3509)
contains.

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Color

Yxy(67.5278, 0.2384, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	42EEDD
RGB	66, 238, 221
RGB Percent	26%, 93%, 87%
CMY	0.7409, 0.0667, 0.1333
CMYK	0.72, 0.00, 0.07, 0.07
HSL	174°, 83%, 60%
HSV	174°, 72%, 93%
XYZ	45.8781, 67.5278, 79.0358
YIQ	184.6340, -97.0550, -41.7510

Conversions

Conversions Part 2

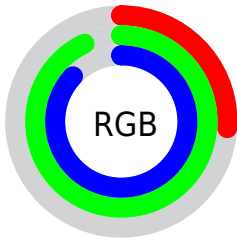
Format	Color
RYB	66, 156, 238
Decimal	4386525
CIELab	85.77, -46.45, -4.28
CIELCh	86, 46.643, 185.262
Yxy	67.5278, 0.2384, 0.3509
Android (android.graphics.Color)	4282576605 (0xFF42EEDD)
YUV	184.6340, 17.9284, -104.0420
Hunter-Lab	82.1753, -44.1510, 0.4979

Details

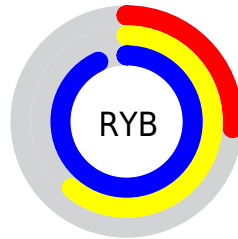
The Yxy color **67.5278, 0.2384, 0.3509** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **22.7083, 0.5384, 0.3153**, and the grayscale version is **48.2555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **35.8009, 0.2318, 0.3546** is the 20% darker color. If you saturate the color by 10%, you get **66.7430, 0.2351, 0.3543**, and if you desaturate by 10%, it is **68.6632, 0.2437, 0.3475**.

Distribution



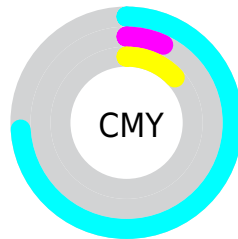
- Red (26%)
- Green (93%)
- Blue (87%)



- Red (26%)
- Yellow (61%)
- Blue (93%)



- Cyan (72%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)




- Cyan (74%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.5278, 0.2384, 0.3509 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 67.5278, 0.2384, 0.3509 by changing the saturation by 10% instead.


 67.5278, 0.2384,
0.3509

 67.5278, 0.2384,
0.3509


451.8212, 0.2727,
0.3412

 49.5137, 0.2307,
0.3530


 115.6764, 0.2502,
0.3476


 35.0271, 0.2211,
0.3555


 146.5796, 0.2549,
0.3463

 23.6838, 0.2092,
0.3585


 182.5480, 0.2588,
0.3452

 15.0992, 0.1937,
0.3623

 223.9659, 0.2623,
0.3442

 8.8890, 0.1732,
0.3670

271.2178, 0.2654,
0.3433

 4.6689, 0.1447,
0.3727

324.6881, 0.2681,

 2.0543, 0.0976,

0.3426

0.3817

384.7611, 0.2705,
0.3418

0.6388, 0.0000,
0.3910

0.0000, 0.0000,
0.0000

67.5278, 0.2384,
0.3509

67.5278, 0.2384,
0.3509

66.7430, 0.2351,
0.3543

68.6632, 0.2437,
0.3475

66.2554, 0.2336,
0.3577


70.1795, 0.2509,
0.3441


66.0280, 0.2334,
0.3603


72.1123, 0.2599,
0.3408


74.4910, 0.2705,
0.3377

 77.3423, 0.2825,
0.3348

 80.6910, 0.2956,
0.3320

 84.5598, 0.3095,
0.3295

 88.6884, 0.3229,
0.3273

 88.8289, 0.3214,
0.3250

Harmonies

Analogous

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



67.5278, 0.2843, 0.4056



67.5278, 0.2384, 0.3509



67.5278, 0.2132, 0.2946

Triad

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



67.5278, 0.2384, 0.3509



67.5278, 0.2772, 0.2439



67.5278, 0.4233, 0.3909

Complementary

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



67.5278, 0.2384, 0.3509



22.7083, 0.5384, 0.3153

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.



67.5278, 0.4236, 0.3471



67.5278, 0.2384, 0.3509



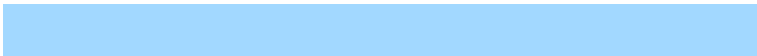
67.5278, 0.3344, 0.2669

Square

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



67.5278, 0.2384, 0.3509



67.5278, 0.2340, 0.2392



67.5278, 0.3899, 0.3033



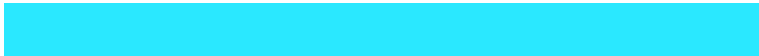
67.5278, 0.3918, 0.4245

Rectangle

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



67.5278, 0.2384, 0.3509



67.5278, 0.2097, 0.2661



67.5278, 0.3899, 0.3033



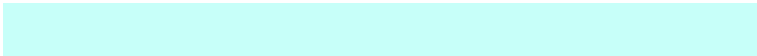
67.5278, 0.4273, 0.3768

Sweetspot

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



67.5304, 0.2384, 0.3509



90.5167, 0.2827, 0.3347



63.3935, 0.3081, 0.5556



19.1674, 0.2793, 0.3355



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.



67.5304, 0.2384, 0.3509



77.7342, 0.2341, 0.3561



35.7963, 0.2075, 0.2327



17.9005, 0.2994, 0.3313



36.8487, 0.2333, 0.3598



3.0732, 0.2320, 0.3553

Inverse Universe

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



22.7083, 0.5384, 0.3153



22.6325, 0.5995, 0.3194



35.8569, 0.4962, 0.3964



15.7842, 0.3278, 0.3267



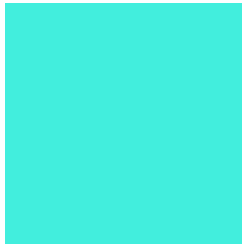
10.1851, 0.6286, 0.3237



0.8558, 0.6041, 0.3102

Previews

White Background



This preview shows how the Yxy color 67.5278, 0.2384, 0.3509 looks on a white background.

Color Contrast Check

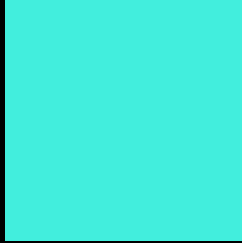
Large Text (above 18pt) WCAG AA × Fail

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 67.5278, 0.2384, 0.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

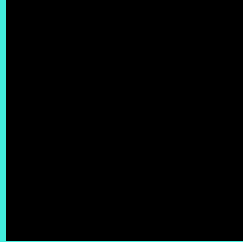
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.5278, 0.2384, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 67.5278, 0.2384, 0.3509.

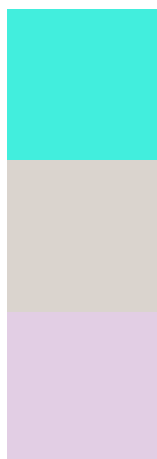


This preview shows how white text looks on a background with the Yxy color 67.5278, 0.2384, 0.3509.

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

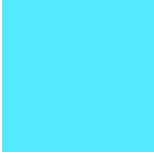
67.5278, 0.2384, 0.3509

Protanopia

66.4486, 0.3213, 0.3357

Deuteranopia

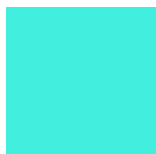
65.9128, 0.3123, 0.3053



Tritanopia

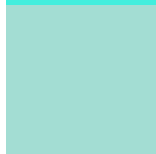
67.1909, 0.2290, 0.3055

Trichromacy



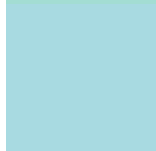
Original Color

67.5278, 0.2384, 0.3509



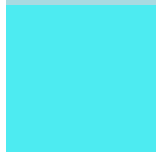
Protanomaly

64.2026, 0.2802, 0.3412



Deuteranomaly

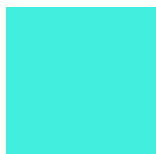
63.9039, 0.2749, 0.3205



Tritanomaly

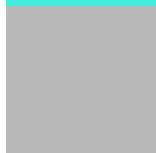
67.3453, 0.2320, 0.3212

Monochromacy



Original Color

67.5278, 0.2384, 0.3509



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

53.0137, 0.2729, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5278, 0.2384, 0.3509 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(66, 238, 221)` looks like.

```
.text, #text, p{  
    color:rgb(66, 238, 221)  
}
```

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(66, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 238, 221) }
```

Border

The CSS property to change the border of an element to Yxy 67.5278, 0.2384, 0.3509 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(66, 238, 221) }
```

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

```
.border{ border-color:rgb(66, 238, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 238, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(66, 238,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5278, 0.2384, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 238, 221) }
```

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

```
.background{ background-color: rgb(66, 238,  
221) }
```

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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