

Converting Colors

$Yxy(67.9871, 0.2535, 0.3388)$

Have a look what the booklet for
Yxy(67.9871, 0.2535, 0.3388)
contains.

Yxy(67.8516, 0.2534, 0.3388)	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(67.8516, 0.2534, 0.3388)

Conversions

Conversions Part 1

Format	Color
Hex	7AE9E1
RGB	122, 233, 225
RGB Percent	48%, 91%, 88%
CMY	0.5219, 0.0862, 0.1176
CMYK	0.48, 0.00, 0.03, 0.09
HSL	176°, 72%, 70%
HSV	176°, 48%, 91%
XYZ	50.7485, 67.8516, 81.6703
YIQ	198.8990, -63.5880, -26.0200

Conversions

Conversions Part 2

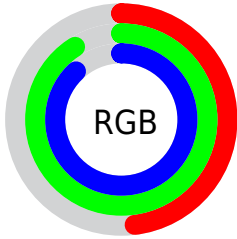
Format	Color
RYB	122, 180, 233
Decimal	8055265
CIELab	85.93, -33.73, -5.97
CIELCh	86, 34.256, 190.041
Yxy	67.8516, 0.2534, 0.3388
Android (android.graphics.Color)	4286245345 (0xFF7AE9E1)
YUV	198.8990, 12.8678, -67.4404
Hunter-Lab	82.3721, -34.1793, -1.1244

Details

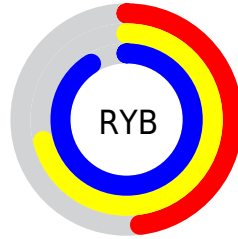
The Yxy color **67.8516, 0.2534, 0.3388** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **32.8339, 0.4350, 0.3204**, and the grayscale version is **56.9873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **35.3072, 0.2396, 0.3405** is the 20% darker color. If you saturate the color by 10%, you get **66.2627, 0.2452, 0.3412**, and if you desaturate by 10%, it is **69.8543, 0.2634, 0.3365**.

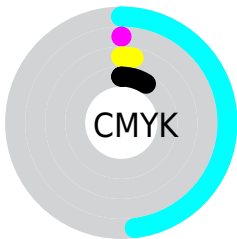
Distribution



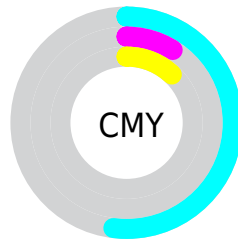
- Red (48%)
- Green (91%)
- Blue (88%)



- Red (48%)
- Yellow (71%)
- Blue (91%)



- Cyan (48%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)





- Cyan (52%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8516, 0.2534, 0.3388 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 67.8516, 0.2534, 0.3388 by changing the saturation by 10% instead.

 67.8516, 0.2534,
0.3388

 67.8516, 0.2534,
0.3388


452.9700, 0.2808,
0.3347


 49.7770, 0.2472,
0.3396


 116.1398, 0.2629,
0.3375

 35.2363, 0.2395,
0.3406


 147.1222, 0.2666,
0.3369

 23.8449, 0.2299,
0.3417


 183.1761, 0.2697,
0.3364

 15.2186, 0.2174,
0.3430

224.6857, 0.2725,
0.3360

 8.9730, 0.2005,
0.3444

272.0355, 0.2750,
0.3356

 4.7236, 0.1768,
0.3457

325.6099, 0.2771,

 2.0860, 0.1414,

0.3353

0.3458

385.7933, 0.2790,
0.3350

0.6567, 0.0000,
0.3650

0.0000, 0.0000,
0.0000

67.8516, 0.2534,
0.3388

67.8516, 0.2534,
0.3388

66.2627, 0.2452,
0.3412

69.8543, 0.2634,
0.3365

65.0501, 0.2388,
0.3436


72.2895, 0.2750,
0.3343

64.1826, 0.2344,
0.3461

75.1844, 0.2878,
0.3322

63.6209, 0.2319,
0.3485

78.5616, 0.3016,
0.3303

 63.3113, 0.2311,
0.3509


 82.4421, 0.3161,
0.3286

 63.2562, 0.2310,
0.3515

 85.5480, 0.3264,
0.3270

 85.6454, 0.3253,
0.3254

 85.7437, 0.3242,
0.3237

 85.8430, 0.3232,
0.3221

Harmonies

Analogous

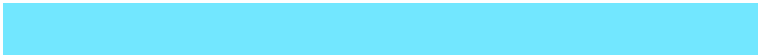
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8516, 0.2863, 0.3785



67.8516, 0.2534, 0.3388



67.8516, 0.2364, 0.2992

Triad

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



67.8516, 0.2534, 0.3388



67.8516, 0.2933, 0.2664



67.8516, 0.3923, 0.3814

Complementary

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



67.8516, 0.2534, 0.3388



32.8339, 0.4350, 0.3204

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.



67.8516, 0.3955, 0.3497



67.8516, 0.2534, 0.3388



67.8516, 0.3361, 0.2860

Square

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



67.8516, 0.2534, 0.3388



67.8516, 0.2582, 0.2609



67.8516, 0.3745, 0.3156



67.8516, 0.3668, 0.4021

Rectangle

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



67.8516, 0.2534, 0.3388



67.8516, 0.2355, 0.2791



67.8516, 0.3745, 0.3156



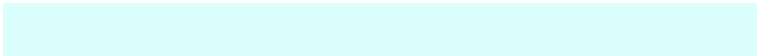
67.8516, 0.3961, 0.3716

Sweetspot

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



67.8543, 0.2534, 0.3388



93.6823, 0.2927, 0.3315



64.5277, 0.3110, 0.4773



19.8665, 0.2897, 0.3320



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.



67.8543, 0.2534, 0.3388



81.3773, 0.2454, 0.3411



45.4388, 0.2384, 0.2679



17.1021, 0.2991, 0.3307



35.8962, 0.2309, 0.3511



2.8243, 0.2299, 0.3477

Inverse Universe

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



32.8339, 0.4350, 0.3204



33.6951, 0.4754, 0.3193



46.8108, 0.4170, 0.3815



15.0716, 0.3282, 0.3273



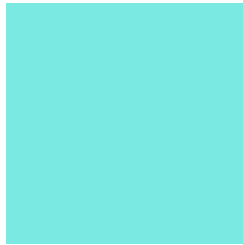
9.8589, 0.6322, 0.3256



0.7803, 0.6123, 0.3147

Previews

White Background



This preview shows how the Yxy color 67.8516, 0.2534, 0.3388 looks on a white background.

Color Contrast Check

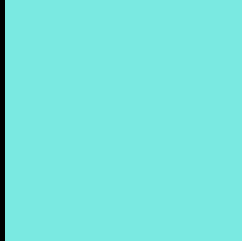
Large Text (above 18pt) WCAG AA × Fail

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 67.8516, 0.2534, 0.3388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

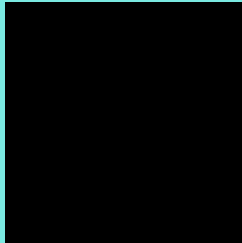
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.8516, 0.2534, 0.3388

Background



This preview shows how black text looks on a background with the Yxy color 67.8516, 0.2534, 0.3388.

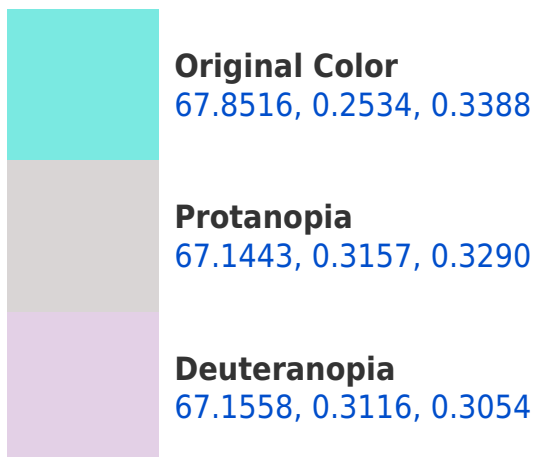


This preview shows how white text looks on a background with the Yxy color 67.8516, 0.2534, 0.3388.

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





Tritanopia

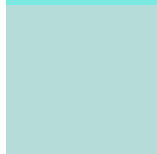
68.0381, 0.2452, 0.3073

Trichromacy



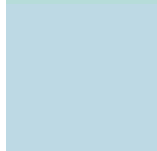
Original Color

67.8516, 0.2534, 0.3388



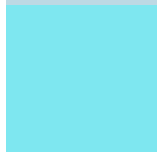
Protanomaly

66.1412, 0.2886, 0.3325



Deuteranomaly

66.0460, 0.2864, 0.3162



Tritanomaly

67.8787, 0.2478, 0.3179

Monochromacy



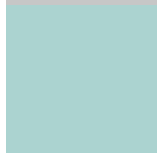
Original Color

67.8516, 0.2534, 0.3388



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.8005, 0.2863, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8516, 0.2534, 0.3388 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(122, 233, 225)` looks like.

```
.text, #text, p{  
    color:rgb(122, 233, 225)  
}
```

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(122, 233, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 233, 225) }
```

Border

The CSS property to change the border of an element to Yxy 67.8516, 0.2534, 0.3388 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(122, 233, 225) }
```

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

```
.border{ border-color:rgb(122, 233, 225) }
```

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

Here you see how a box with a 4 pixel rgb(122, 233, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 233, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 233, 225);  
box-shadow:4px 4px 4px 4px rgb(122, 233,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8516, 0.2534, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 233, 225) }
```

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

```
.background{ background-color: rgb(122,  
233, 225) }
```

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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