

Converting Colors

$Yxy(69.2531, 0.2490, 0.3504)$

Have a look what the booklet for
Yxy(69.2531, 0.2490, 0.3504)
contains.

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Color

Yxy(69.2531, 0.2490, 0.3504)

Conversions

Conversions Part 1

Format	Color
Hex	67EEDD
RGB	103, 238, 221
RGB Percent	40%, 93%, 87%
CMY	0.5963, 0.0666, 0.1334
CMYK	0.57, 0.00, 0.07, 0.07
HSL	172°, 80%, 67%
HSV	172°, 57%, 93%
XYZ	49.2124, 69.2531, 79.1746
YIQ	195.6970, -75.0030, -33.9070

Conversions

Conversions Part 2

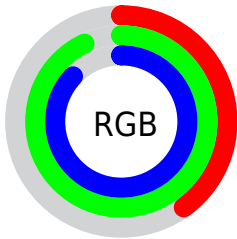
Format	Color
RYB	103, 175, 238
Decimal	6811357
CIELab	86.63, -40.87, -2.90
CIELCh	87, 40.973, 184.060
Yxy	69.2531, 0.2490, 0.3504
Android (android.graphics.Color)	4285001437 (0xFF67EEDD)
YUV	195.6970, 12.4744, -81.2953
Hunter-Lab	83.2184, -40.0738, 1.8440

Details

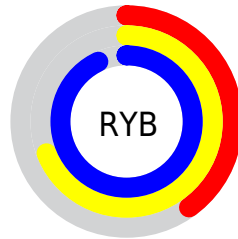
The Yxy color **69.2531, 0.2490, 0.3504** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **29.2217, 0.4636, 0.3115**, and the grayscale version is **54.9598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **35.9831, 0.2341, 0.3545** is the 20% darker color. If you saturate the color by 10%, you get **67.8856, 0.2429, 0.3548**, and if you desaturate by 10%, it is **71.0291, 0.2570, 0.3461**.

Distribution



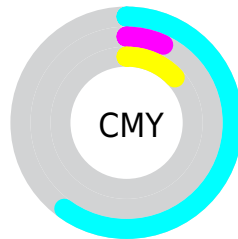
- Red (40%)
- Green (93%)
- Blue (87%)



- Red (40%)
- Yellow (69%)
- Blue (93%)



- Cyan (57%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)





- Cyan (60%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.2531, 0.2490, 0.3504 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 69.2531, 0.2490, 0.3504 by changing the saturation by 10% instead.


 69.2531, 0.2490,
0.3504

 69.2531, 0.2490,
0.3504

457.9231, 0.2784,
0.3408

 50.9179, 0.2423,
0.3525


 118.1430, 0.2592,
0.3471

 36.1432, 0.2341,
0.3551


 149.4665, 0.2631,
0.3458

 24.5448, 0.2238,
0.3583


 185.8881, 0.2665,
0.3447

 15.7383, 0.2105,
0.3623

227.7924, 0.2695,
0.3437

 9.3391, 0.1925,
0.3676

275.5636, 0.2721,
0.3429

 4.9630, 0.1674,
0.3746

329.5862, 0.2745,

 2.2256, 0.1298,

0.3421

390.2446, 0.2765,
0.3414

0.3840

0.7339, 0.0000,
0.4227

0.0000, 0.0000,
0.0000

69.2531, 0.2490,
0.3504

69.2531, 0.2490,
0.3504

67.8856, 0.2429,
0.3548

71.0291, 0.2570,
0.3461

66.8837, 0.2387,
0.3592


73.2366, 0.2667,
0.3420


66.2089, 0.2364,
0.3637


75.9061, 0.2779,
0.3381

65.8092, 0.2359,
0.3681

79.0632, 0.2902,
0.3344


 65.7112, 0.2360,
0.3695

 82.7316, 0.3034,
0.3311

 86.9333, 0.3172,
0.3280

 88.8258, 0.3216,
0.3252

 89.0074, 0.3197,
0.3223

 89.1921, 0.3178,
0.3194

Harmonies

Analogous

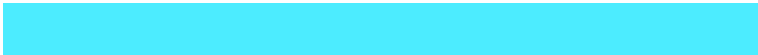
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.2531, 0.2903, 0.3964



69.2531, 0.2490, 0.3504



69.2531, 0.2255, 0.3014

Triad

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



69.2531, 0.2490, 0.3504



69.2531, 0.2801, 0.2532



69.2531, 0.4101, 0.3830

Complementary

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



69.2531, 0.2490, 0.3504



29.2217, 0.4636, 0.3115

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.



69.2531, 0.4085, 0.3443



69.2531, 0.2490, 0.3504



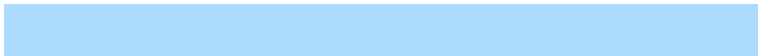
69.2531, 0.3299, 0.2730

Square

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



69.2531, 0.2490, 0.3504



69.2531, 0.2423, 0.2500



69.2531, 0.3783, 0.3053



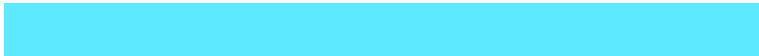
69.2531, 0.3840, 0.4120

Rectangle

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



69.2531, 0.2490, 0.3504



69.2531, 0.2216, 0.2757



69.2531, 0.3783, 0.3053



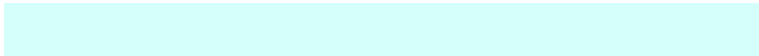
69.2531, 0.4129, 0.3706

Sweetspot

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



69.2558, 0.2490, 0.3504



92.3383, 0.2898, 0.3346



66.1949, 0.3133, 0.5071



19.5955, 0.2873, 0.3353



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.



69.2558, 0.2490, 0.3504



79.1880, 0.2421, 0.3555



45.2269, 0.2275, 0.2631



17.8927, 0.2998, 0.3320



36.6695, 0.2358, 0.3688



3.0601, 0.2342, 0.3630

Inverse Universe

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



29.2217, 0.4636, 0.3115



28.2227, 0.5140, 0.3106



41.7643, 0.4494, 0.3829



15.7912, 0.3273, 0.3261



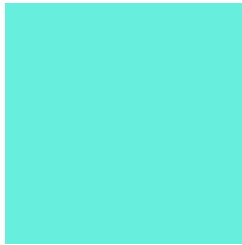
10.2034, 0.6240, 0.3211



0.8591, 0.5951, 0.3052

Previews

White Background



This preview shows how the Yxy color 69.2531, 0.2490, 0.3504 looks on a white background.

Color Contrast Check

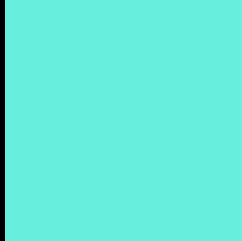
Large Text (above 18pt) WCAG AA × Fail

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 69.2531, 0.2490, 0.3504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

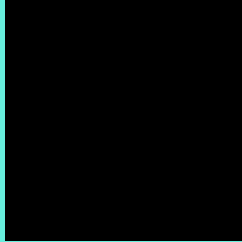
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.2531, 0.2490, 0.3504

Background



This preview shows how black text looks on a background with the Yxy color 69.2531, 0.2490, 0.3504.

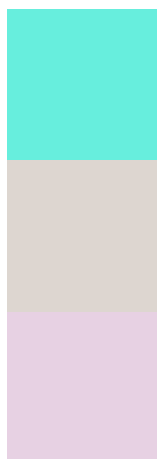


This preview shows how white text looks on a background with the Yxy color 69.2531, 0.2490, 0.3504.

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

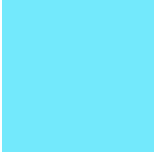
69.2531, 0.2490, 0.3504

Protanopia

68.0194, 0.3220, 0.3357

Deuteranopia

68.1359, 0.3166, 0.3098



Tritanopia

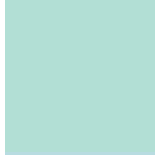
68.9509, 0.2387, 0.3060

Trichromacy



Original Color

69.2531, 0.2490, 0.3504



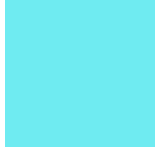
Protanomaly

67.0444, 0.2885, 0.3408



Deuteranomaly

66.8130, 0.2851, 0.3231



Tritanomaly

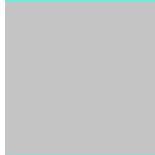
69.1470, 0.2424, 0.3215

Monochromacy



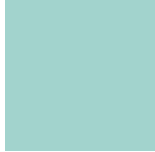
Original Color

69.2531, 0.2490, 0.3504



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.6777, 0.2822, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.2531, 0.2490, 0.3504 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(103, 238, 221)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 238, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 238, 221) }
```

Border

The CSS property to change the border of an element to Yxy 69.2531, 0.2490, 0.3504 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(103, 238, 221) }
```

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

```
.border{ border-color:rgb(103, 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(103, 238, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 238, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 238, 221);  
box-shadow:4px 4px 4px 4px rgb(103, 238,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 69.2531, 0.2490, 0.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 238, 221) }
```

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

```
.background{ background-color: rgb(103,  
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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