

Converting Colors

$Yxy(68.7356, 0.2531, 0.3490)$

Have a look what the booklet for
Yxy(68.7356, 0.2531, 0.3490)
contains.

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Color

Yxy(68.7356, 0.2531, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	72ECDC
RGB	114, 236, 220
RGB Percent	45%, 93%, 86%
CMY	0.5532, 0.0745, 0.1372
CMYK	0.52, 0.00, 0.07, 0.07
HSL	172°, 76%, 69%
HSV	172°, 52%, 93%
XYZ	49.8481, 68.7356, 78.3665
YIQ	197.6980, -67.5760, -30.8400

Conversions

Conversions Part 2

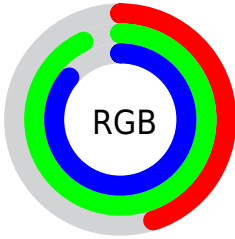
Format	Color
RYB	114, 179, 236
Decimal	7531740
CIELab	86.37, -38.04, -2.73
CIELCh	86, 38.142, 184.103
Yxy	68.7356, 0.2531, 0.3490
Android (android.graphics.Color)	4285721820 (0xFF72ECDC)
YUV	197.6980, 10.9949, -73.4031
Hunter-Lab	82.9069, -37.7634, 1.9919

Details

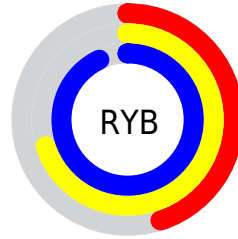
The Yxy color **68.7356, 0.2531, 0.3490** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.4622, 0.4423, 0.3118**, and the grayscale version is **56.2331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7387, 0.2671, 0.3289**, and **35.9635, 0.2392, 0.3543** is the 20% darker color. If you saturate the color by 10%, you get **67.1935, 0.2460, 0.3535**, and if you desaturate by 10%, it is **70.6942, 0.2620, 0.3446**.

Distribution



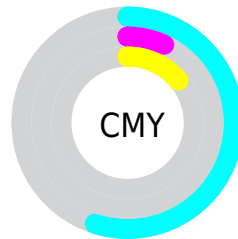
- Red (45%)
- Green (93%)
- Blue (86%)



- Red (45%)
- Yellow (70%)
- Blue (93%)



- Cyan (52%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)



- Cyan (55%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7356, 0.2531, 0.3490 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 68.7356, 0.2531, 0.3490 by changing the saturation by 10% instead.


 68.7356, 0.2531,
0.3490

 68.7356, 0.2531,
0.3490


456.0979, 0.2807,
0.3400


 50.4964, 0.2468,
0.3510


 117.4039, 0.2626,
0.3459

 35.8080, 0.2391,
0.3534


 148.6017, 0.2664,
0.3447

 24.2859, 0.2294,
0.3565


 184.8879, 0.2696,
0.3436

 15.5459, 0.2167,
0.3603

226.6468, 0.2724,
0.3427

 9.2034, 0.1996,
0.3654

274.2629, 0.2748,
0.3419

 4.8741, 0.1755,
0.3721

328.1205, 0.2770,

 2.1736, 0.1393,

0.3412

0.3814

388.6041, 0.2789,
0.3405

0.7055, 0.0000,
0.4239

0.0000, 0.0000,
0.0000

68.7356, 0.2531,
0.3490

68.7356, 0.2531,
0.3490

67.1935, 0.2460,
0.3535

70.6942, 0.2620,
0.3446

66.0278, 0.2409,
0.3581


73.0899, 0.2724,
0.3404


65.2042, 0.2377,
0.3628


75.9516, 0.2841,
0.3365

64.6785, 0.2364,
0.3674


79.3033, 0.2969,
0.3329


 64.4101, 0.2364,
0.3712

 83.1674, 0.3103,
0.3295

 87.4636, 0.3239,
0.3265

 87.6474, 0.3219,
0.3235

 87.8343, 0.3200,
0.3205

 88.0244, 0.3180,
0.3175

Harmonies

Analogous

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



68.7356, 0.2919, 0.3915



68.7356, 0.2531, 0.3490



68.7356, 0.2308, 0.3035

Triad

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



68.7356, 0.2531, 0.3490



68.7356, 0.2824, 0.2578



68.7356, 0.4037, 0.3800

Complementary

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



68.7356, 0.2531, 0.3490



31.4622, 0.4423, 0.3118

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.



68.7356, 0.4021, 0.3438



68.7356, 0.2531, 0.3490



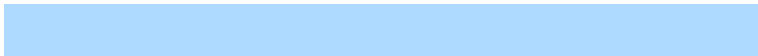
68.7356, 0.3290, 0.2765

Square

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



68.7356, 0.2531, 0.3490



68.7356, 0.2468, 0.2549



68.7356, 0.3740, 0.3070



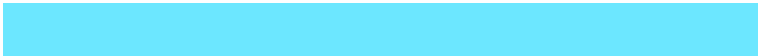
68.7356, 0.3795, 0.4067

Rectangle

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



68.7356, 0.2531, 0.3490



68.7356, 0.2272, 0.2794



68.7356, 0.3740, 0.3070



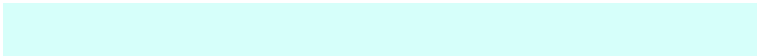
68.7356, 0.4062, 0.3685

Sweetspot

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



68.7383, 0.2531, 0.3490



92.7269, 0.2912, 0.3344



65.9724, 0.3139, 0.4900



19.6716, 0.2886, 0.3352



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.



68.7383, 0.2531, 0.3490



80.0136, 0.2457, 0.3538



46.9985, 0.2342, 0.2700



17.0860, 0.2999, 0.3321



35.5142, 0.2362, 0.3704



2.7982, 0.2345, 0.3641

Inverse Universe

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



31.4622, 0.4423, 0.3118



31.0895, 0.4861, 0.3100



43.7380, 0.4330, 0.3790



15.0862, 0.3272, 0.3259



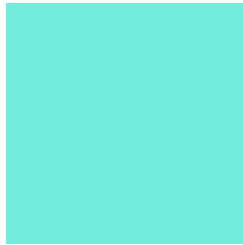
9.8945, 0.6229, 0.3205



0.7872, 0.5917, 0.3033

Previews

White Background



This preview shows how the Yxy color 68.7356, 0.2531, 0.3490 looks on a white background.

Color Contrast Check

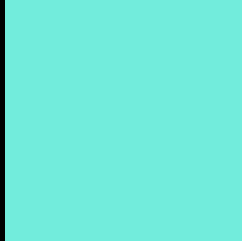
Large Text (above 18pt) WCAG AA × Fail

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 68.7356, 0.2531, 0.3490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

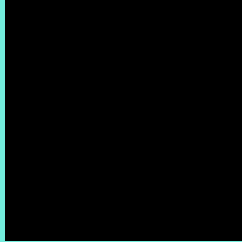
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.7356, 0.2531, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 68.7356, 0.2531, 0.3490.

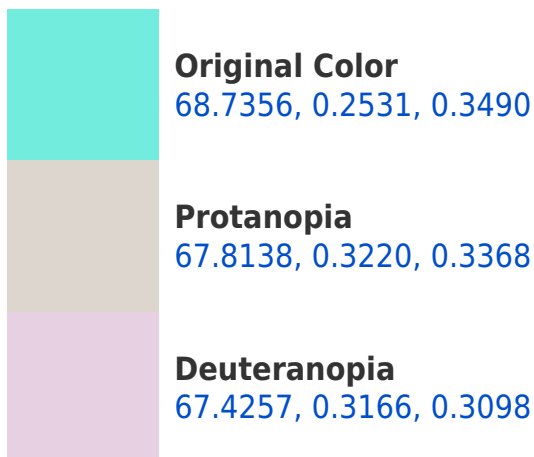


This preview shows how white text looks on a background with the Yxy color 68.7356, 0.2531, 0.3490.

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

68.9004, 0.2428, 0.3073

Trichromacy



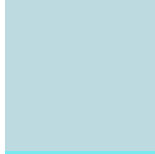
Original Color

68.7356, 0.2531, 0.3490



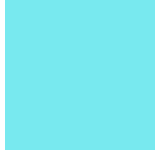
Protanomaly

66.8198, 0.2910, 0.3408



Deuteranomaly

66.2160, 0.2882, 0.3220



Tritanomaly

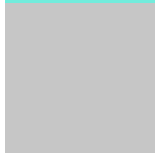
68.5029, 0.2462, 0.3215

Monochromacy



Original Color

68.7356, 0.2531, 0.3490



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.7587, 0.2850, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7356, 0.2531, 0.3490 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(114, 236, 220)` looks like.

```
.text, #text, p{  
    color:rgb(114, 236, 220)  
}
```

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(114, 236, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 236, 220) }
```

Border

The CSS property to change the border of an element to Yxy 68.7356, 0.2531, 0.3490 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(114, 236, 220) }
```

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

```
.border{ border-color:rgb(114, 236, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 236, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 236, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 236, 220);  
box-shadow:4px 4px 4px 4px rgb(114, 236,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7356, 0.2531, 0.3490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 236, 220) }
```

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

```
.background{ background-color: rgb(114,  
236, 220) }
```

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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