

Converting Colors

$Yxy(72.5743, 0.2689, 0.3369)$

Have a look what the booklet for
Yxy(72.5743, 0.2689, 0.3369)
contains.

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Color

Yxy(72.8161, 0.2687, 0.3371)

Conversions

Conversions Part 1

Format	Color
Hex	9DECE5
RGB	157, 236, 229
RGB Percent	62%, 93%, 90%
CMY	0.3845, 0.0745, 0.1018
CMYK	0.33, 0.00, 0.03, 0.07
HSL	175°, 68%, 77%
HSV	175°, 33%, 93%
XYZ	58.0412, 72.8161, 85.1501
YIQ	211.5810, -44.8370, -18.9250

Conversions

Conversions Part 2

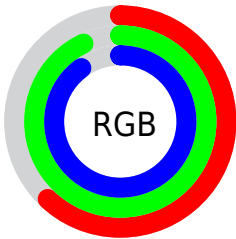
Format	Color
RYB	157, 198, 236
Decimal	10349797
CIELab	88.36, -25.63, -4.33
CIELCh	88, 25.992, 189.594
Yxy	72.8161, 0.2687, 0.3371
Android (android.graphics.Color)	4288539877 (0xFF9DECE5)
YUV	211.5810, 8.5876, -47.8675
Hunter-Lab	85.3324, -27.9198, 0.5693

Details

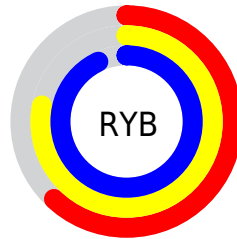
The Yxy color **72.8161, 0.2687, 0.3371** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.6141, 0.3842, 0.3213**, and the grayscale version is **65.5079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **38.5233, 0.2585, 0.3382** is the 20% darker color. If you saturate the color by 10%, you get **70.5551, 0.2582, 0.3399**, and if you desaturate by 10%, it is **75.5428, 0.2807, 0.3345**.

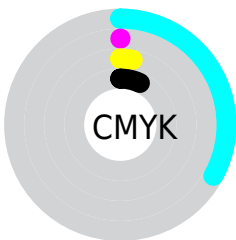
Distribution



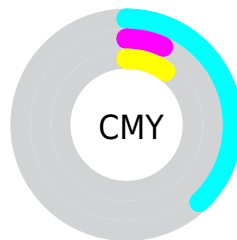
- Red (62%)
- Green (93%)
- Blue (90%)



- Red (62%)
- Yellow (78%)
- Blue (93%)



- Cyan (33%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)





- Cyan (38%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8161, 0.2687, 0.3371 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 72.8161, 0.2687, 0.3371 by changing the saturation by 10% instead.


 72.8161, 0.2687,
0.3371

 72.8161, 0.2687,
0.3371


470.3772, 0.2889,
0.3336

 53.8256, 0.2641,
0.3378


 123.2161, 0.2757,
0.3359

 38.4623, 0.2585,
0.3387


 155.3944, 0.2784,
0.3355

 26.3417, 0.2515,
0.3398


192.7374, 0.2807,
0.3351

 17.0794, 0.2424,
0.3411

235.6296, 0.2828,
0.3347

 10.2911, 0.2301,
0.3427

284.4552, 0.2846,
0.3344

 5.5924, 0.2127,
0.3446

339.5988, 0.2862,

 2.5989, 0.1864,

0.3341

401.4446, 0.2876,
0.3338

0.3468

0.9261, 0.1003,
0.3655

0.0000, 0.0000,
0.0000

72.8161, 0.2687,
0.3371

72.8161, 0.2687,
0.3371

70.5551, 0.2582,
0.3399

75.5428, 0.2807,
0.3345

68.7245, 0.2493,
0.3428


78.7507, 0.2938,
0.3320


67.2980, 0.2422,
0.3458


82.4656, 0.3077,
0.3297

66.2427, 0.2371,
0.3488


86.7085, 0.3222,
0.3277


 65.5209, 0.2340,
0.3519

 87.5136, 0.3233,
0.3257


 65.0862, 0.2326,
0.3549

 87.6376, 0.3220,
0.3236

 64.9116, 0.2325,
0.3568

 87.7631, 0.3207,
0.3216

 87.8900, 0.3194,
0.3196

 88.0183, 0.3181,
0.3176

Harmonies

Analogous

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



72.8161, 0.2939, 0.3654



72.8161, 0.2687, 0.3371



72.8161, 0.2553, 0.3080

Triad

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



72.8161, 0.2687, 0.3371



72.8161, 0.2981, 0.2814



72.8161, 0.3720, 0.3686

Complementary

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



72.8161, 0.2687, 0.3371



44.6141, 0.3842, 0.3213

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.



72.8161, 0.3738, 0.3451



72.8161, 0.2687, 0.3371



72.8161, 0.3299, 0.2963

Square

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



72.8161, 0.2687, 0.3371



72.8161, 0.2716, 0.2776



72.8161, 0.3581, 0.3190



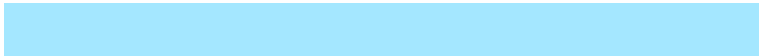
72.8161, 0.3537, 0.3831

Rectangle

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



72.8161, 0.2687, 0.3371



72.8161, 0.2544, 0.2926



72.8161, 0.3581, 0.3190



72.8161, 0.3746, 0.3614

Sweetspot

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



72.8190, 0.2687, 0.3371



95.3364, 0.2985, 0.3312



70.4137, 0.3130, 0.4274



20.2764, 0.2965, 0.3315



0.0000, 0.0000, 0.0000



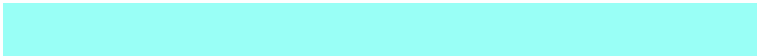
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8190, 0.2687, 0.3371



84.9464, 0.2615, 0.3390



56.5926, 0.2602, 0.2903



17.0976, 0.2993, 0.3311



35.7877, 0.2323, 0.3563



2.8169, 0.2312, 0.3522

Inverse Universe

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



44.6141, 0.3842, 0.3213



46.6509, 0.4055, 0.3198



56.4828, 0.3794, 0.3645



15.0756, 0.3279, 0.3270



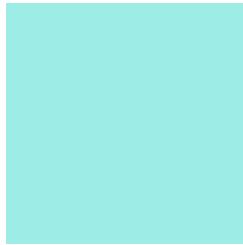
9.8671, 0.6301, 0.3245



0.7822, 0.6064, 0.3114

Previews

White Background



This preview shows how the Yxy color 72.8161, 0.2687, 0.3371 looks on a white background.

Color Contrast Check

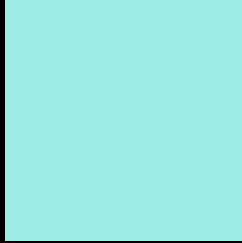
Large Text (above 18pt) WCAG AA × Fail

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 72.8161, 0.2687, 0.3371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

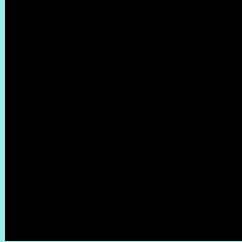
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

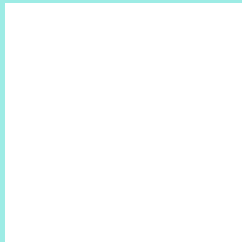
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.8161, 0.2687, 0.3371

Background



This preview shows how black text looks on a background with the Yxy color 72.8161, 0.2687, 0.3371.

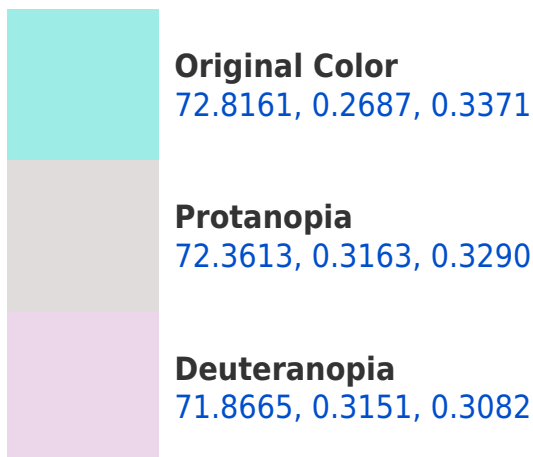


This preview shows how white text looks on a background with the Yxy color 72.8161, 0.2687, 0.3371.

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

72.9242, 0.2599, 0.3084

Trichromacy



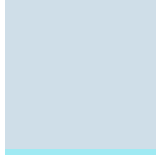
Original Color

72.8161, 0.2687, 0.3371



Protanomaly

71.9998, 0.2969, 0.3323



Deuteranomaly

71.3341, 0.2960, 0.3179



Tritanomaly

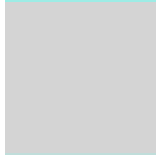
72.7903, 0.2629, 0.3185

Monochromacy



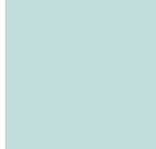
Original Color

72.8161, 0.2687, 0.3371



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.9813, 0.2946, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8161, 0.2687, 0.3371 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(157, 236, 229)` looks like.

```
.text, #text, p{  
    color:rgb(157, 236, 229)  
}
```

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(157, 236, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 236, 229) }
```

Border

The CSS property to change the border of an element to Yxy 72.8161, 0.2687, 0.3371 is called "border". The border property can be set on classes, ids or directly on the HTML element.

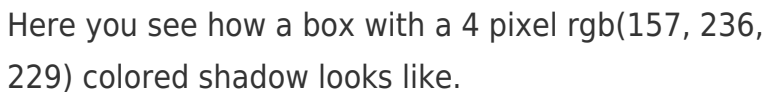
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 236, 229) }
```

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

```
.border{ border-color:rgb(157, 236, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 236, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 236, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 236, 229); box-shadow:4px 4px 4px 4px rgb(157, 236, 229) }
```


Background

The CSS property to change the background color of an element to `rgb(72.8161, 0.2687, 0.3371)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 236, 229) }
```

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

```
.background{ background-color: rgb(157,  
236, 229) }
```

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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