

Converting Colors

$Yxy(72.9328, 0.2698, 0.3504)$

Have a look what the booklet for
Yxy(72.9328, 0.2698, 0.3504)
contains.

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Color

Yxy(72.8004, 0.2700, 0.3505)

Conversions

Conversions Part 1

Format	Color
Hex	96EEDC
RGB	150, 238, 220
RGB Percent	59%, 93%, 86%
CMY	0.4116, 0.0667, 0.1371
CMYK	0.37, 0.00, 0.08, 0.07
HSL	168°, 72%, 76%
HSV	168°, 37%, 93%
XYZ	56.0802, 72.8004, 78.8238
YIQ	209.6360, -46.6700, -24.2540

Conversions

Conversions Part 2

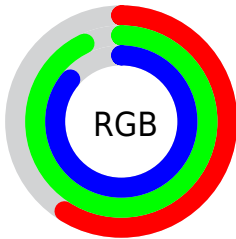
Format	Color
RYB	150, 199, 238
Decimal	9891548
CIELab	88.35, -30.43, 0.34
CIELCh	88, 30.430, 179.367
Yxy	72.8004, 0.2700, 0.3505
Android (android.graphics.Color)	4288081628 (0xFF96EEDC)
YUV	209.6360, 5.1095, -52.3008
Hunter-Lab	85.3232, -31.9931, 4.9525

Details

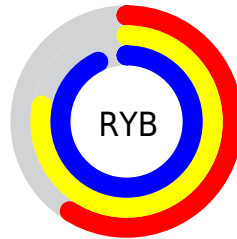
The Yxy color **72.8004, 0.2700, 0.3505** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.8341, 0.3842, 0.3091**, and the grayscale version is **64.1967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **38.5522, 0.2599, 0.3562** is the 20% darker color. If you saturate the color by 10%, you get **70.5152, 0.2610, 0.3574**, and if you desaturate by 10%, it is **75.5575, 0.2804, 0.3440**.

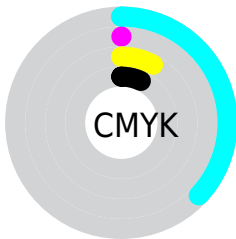
Distribution



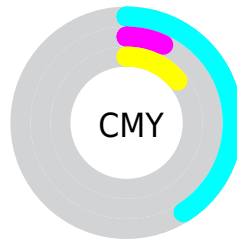
- Red (59%)
- Green (93%)
- Blue (86%)



- Red (59%)
- Yellow (78%)
- Blue (93%)



- Cyan (37%)
- Magenta (0%)
- Yellow (8%)
- Black (7%)





- Cyan (41%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8004, 0.2700, 0.3505 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 72.8004, 0.2700, 0.3505 by changing the saturation by 10% instead.


 72.8004, 0.2700,
0.3505


 72.8004, 0.2700,
0.3505


470.3227, 0.2897,
0.3406

 53.8128, 0.2655,
0.3528

 123.1938, 0.2768,
0.3471

 38.4520, 0.2600,
0.3555


 155.3684, 0.2795,
0.3457

 26.3337, 0.2530,
0.3591


192.7074, 0.2818,
0.3446

 17.0734, 0.2439,
0.3637

235.5952, 0.2838,
0.3436

 10.2869, 0.2316,
0.3699

284.4163, 0.2855,
0.3427

 5.5896, 0.2141,
0.3789

339.5550, 0.2871,

 2.5972, 0.1871,

0.3419

0.3926

401.3956, 0.2885,
0.3412

0.9252, 0.0665,
0.4525

0.0000, 0.0000,
0.0000

72.8004, 0.2700,
0.3505

72.8004, 0.2700,
0.3505

70.5152, 0.2610,
0.3574

75.5575, 0.2804,
0.3440

68.6651, 0.2537,
0.3646


78.8033, 0.2918,
0.3380

67.2220, 0.2481,
0.3720

82.5646, 0.3039,
0.3325

66.1507, 0.2446,
0.3795


86.8634, 0.3166,
0.3275

 65.4101, 0.2430,
0.3871

 88.9576, 0.3201,
0.3229

 64.9473, 0.2433,
0.3945

 89.2575, 0.3171,
0.3182

 64.8356, 0.2436,
0.3968

 89.5652, 0.3141,
0.3135

 89.6254, 0.3135,
0.3127

Harmonies

Analogous

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



72.8004, 0.3025, 0.3810



72.8004, 0.2700, 0.3505



72.8004, 0.2495, 0.3150

Triad

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



72.8004, 0.2700, 0.3505



72.8004, 0.2838, 0.2708



72.8004, 0.3852, 0.3661

Complementary

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



72.8004, 0.2700, 0.3505



42.8341, 0.3842, 0.3091

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.



72.8004, 0.3802, 0.3369



72.8004, 0.2700, 0.3505



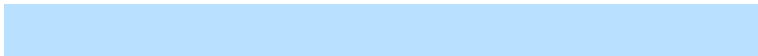
72.8004, 0.3198, 0.2840

Square

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



72.8004, 0.2700, 0.3505



72.8004, 0.2571, 0.2711



72.8004, 0.3557, 0.3075



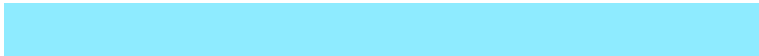
72.8004, 0.3696, 0.3880

Rectangle

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



72.8004, 0.2700, 0.3505



72.8004, 0.2446, 0.2946



72.8004, 0.3557, 0.3075



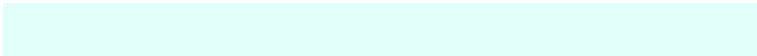
72.8004, 0.3859, 0.3568

Sweetspot

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



72.8033, 0.2700, 0.3505



94.6991, 0.2989, 0.3347



71.7961, 0.3195, 0.4372



20.1410, 0.2972, 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.



72.8033, 0.2700, 0.3505



83.1724, 0.2634, 0.3554



60.2894, 0.2567, 0.2986



17.8704, 0.3008, 0.3339



36.1931, 0.2432, 0.3956



3.0247, 0.2405, 0.3857

Inverse Universe

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



42.8341, 0.3842, 0.3091



43.5880, 0.4054, 0.3053



51.0284, 0.3925, 0.3571



15.8117, 0.3261, 0.3242



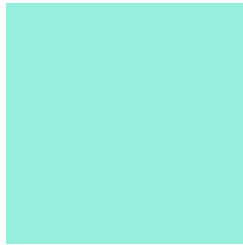
10.2778, 0.6062, 0.3113



0.8689, 0.5708, 0.2918

Previews

White Background



This preview shows how the Yxy color 72.8004, 0.2700, 0.3505 looks on a white background.

Color Contrast Check

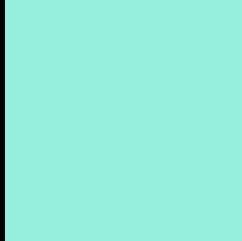
Large Text (above 18pt) WCAG AA × Fail

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 72.8004, 0.2700, 0.3505 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

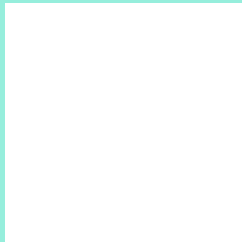
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.8004, 0.2700, 0.3505

Background



This preview shows how black text looks on a background with the Yxy color 72.8004, 0.2700, 0.3505.

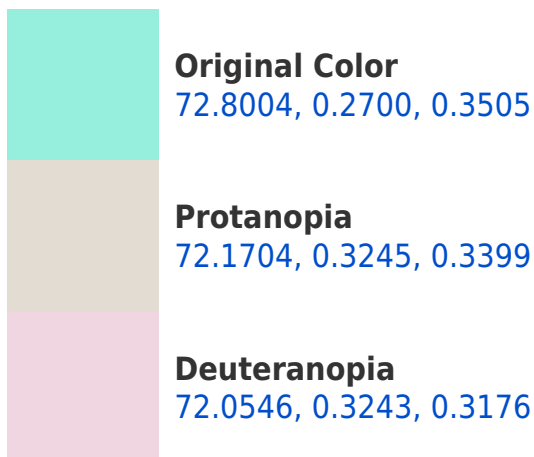


This preview shows how white text looks on a background with the Yxy color 72.8004, 0.2700, 0.3505.

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

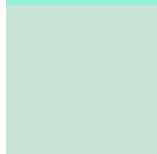
72.5752, 0.2574, 0.3072

Trichromacy



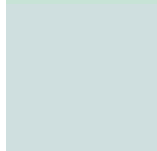
Original Color

72.8004, 0.2700, 0.3505



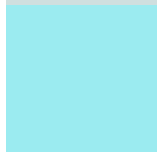
Protanomaly

71.9353, 0.3018, 0.3437



Deuteranomaly

71.3685, 0.3016, 0.3290



Tritanomaly

72.6765, 0.2620, 0.3230

Monochromacy



Original Color

72.8004, 0.2700, 0.3505



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.7328, 0.2944, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8004, 0.2700, 0.3505 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(150, 238, 220)` looks like.

```
.text, #text, p{  
    color:rgb(150, 238, 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(150, 238, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 238, 220) }
```

Border

The CSS property to change the border of an element to Yxy 72.8004, 0.2700, 0.3505 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(150, 238, 220) }
```

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

```
.border{ border-color:rgb(150, 238, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 238, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 238, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 238, 220);  
box-shadow:4px 4px 4px 4px rgb(150, 238,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8004, 0.2700, 0.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 238, 220) }
```

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

```
.background{ background-color: rgb(150,  
238, 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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