

Converting Colors

$Yxy(72.6901, 0.2854, 0.3752)$

Have a look what the booklet for
Yxy(72.6901, 0.2854, 0.3752)
contains.

Yxy(72.6901, 0.2854, 0.3752)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.6901, 0.2854, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	9FEEC8
RGB	159, 238, 200
RGB Percent	62%, 93%, 78%
CMY	0.3766, 0.0666, 0.2157
CMYK	0.33, 0.00, 0.16, 0.07
HSL	151°, 70%, 78%
HSV	151°, 33%, 93%
XYZ	55.2925, 72.6901, 65.7543
YIQ	210.0470, -34.8860, -28.5660

Conversions

Conversions Part 2

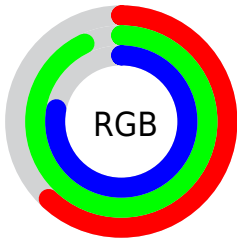
Format	Color
RYB	159, 211, 238
Decimal	10481352
CIELab	88.30, -32.17, 10.78
CIELCh	88, 33.931, 161.483
Yxy	72.6901, 0.2854, 0.3752
Android (android.graphics.Color)	4288671432 (0xFF9FEEC8)
YUV	210.0470, -4.9532, -44.7682
Hunter-Lab	85.2585, -33.4401, 13.9544

Details

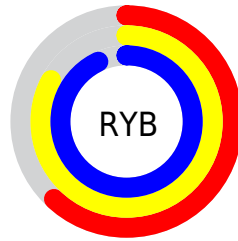
The Yxy color **72.6901, 0.2854, 0.3752** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.9961, 0.3529, 0.2873**, and the grayscale version is **64.5287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3389, 0.2894, 0.3289**, and **38.5345, 0.2790, 0.3875** is the 20% darker color. If you saturate the color by 10%, you get **69.9747, 0.2786, 0.3921**, and if you desaturate by 10%, it is **75.9200, 0.2931, 0.3596**.

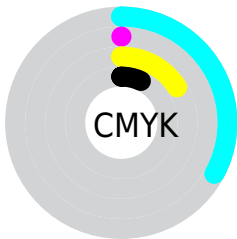
Distribution



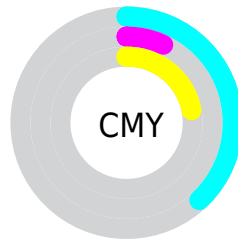
- Red (62%)
- Green (93%)
- Blue (78%)



- Red (62%)
- Yellow (83%)
- Blue (93%)



- Cyan (33%)
- Magenta (0%)
- Yellow (16%)
- Black (7%)





- Cyan (38%)
- Magenta (7%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6901, 0.2854, 0.3752 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 72.6901, 0.2854, 0.3752 by changing the saturation by 10% instead.


 72.6901, 0.2854,
0.3752


 72.6901, 0.2854,
0.3752

469.9400, 0.2984,
0.3531

 53.7226, 0.2823,
0.3804


 123.0372, 0.2900,
0.3674

 38.3799, 0.2785,
0.3870


 155.1855, 0.2917,
0.3644

 26.2777, 0.2736,
0.3955


192.4963, 0.2932,
0.3618

 17.0315, 0.2671,
0.4069

235.3539, 0.2945,
0.3596

 10.2570, 0.2580,
0.4229

284.1426, 0.2957,
0.3577

 5.5697, 0.2443,
0.4472


339.2470, 0.2967,

 2.5852, 0.2220,


0.3560


0.4876

401.0513, 0.2976,
0.3544


 0.9192, 0.0701,
0.7329


 0.0000, 0.0000,
0.0000


 72.6901, 0.2854,
0.3752


 72.6901, 0.2854,
0.3752


 69.9747, 0.2786,
0.3921

 75.9200, 0.2931,
0.3596

 67.7370, 0.2731,
0.4100

 79.6811, 0.3013,
0.3455

 65.9493, 0.2692,
0.4288

 84.0003, 0.3099,
0.3328

 64.5772, 0.2672,
0.4478

 88.9000, 0.3186,
0.3215

■ 63.5814, 0.2672,
0.4668

■ 89.6353, 0.3135,
0.3127

■ 62.9138, 0.2692,
0.4850

■ 62.5986, 0.2714,
0.4969

Harmonies

Analogous

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



72.6901, 0.3254, 0.3993



72.6901, 0.2854, 0.3752



72.6901, 0.2541, 0.3366

Triad

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



72.6901, 0.2854, 0.3752



72.6901, 0.2612, 0.2628



72.6901, 0.3933, 0.3508

Complementary

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



72.6901, 0.2854, 0.3752



46.9961, 0.3529, 0.2873

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.



72.6901, 0.3740, 0.3177



72.6901, 0.2854, 0.3752



72.6901, 0.2958, 0.2689

Square

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



72.6901, 0.2854, 0.3752



72.6901, 0.2409, 0.2726



72.6901, 0.3374, 0.2885



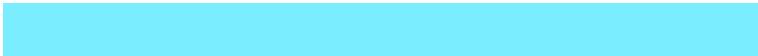
72.6901, 0.3890, 0.3812

Rectangle

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



72.6901, 0.2854, 0.3752



72.6901, 0.2416, 0.3104



72.6901, 0.3374, 0.2885



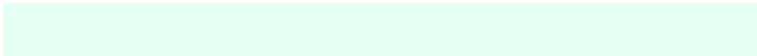
72.6901, 0.3893, 0.3397

Sweetspot

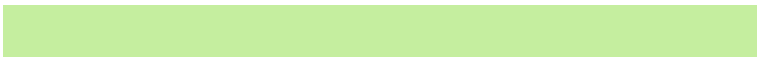
The Sweet Spot groups the original color and five complimentary colors.



72.6931, 0.2854, 0.3752



94.7154, 0.3040, 0.3413



75.5513, 0.3334, 0.4205



20.1256, 0.3028, 0.3432



0.0000, 0.0000, 0.0000



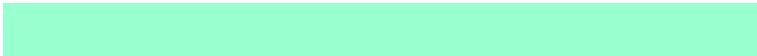
21.4041, 0.3127, 0.3290

Same Dimension

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



72.6931, 0.2854, 0.3752



82.7455, 0.2806, 0.3868



73.9326, 0.2653, 0.3273



17.7934, 0.3045, 0.3406



34.9465, 0.2706, 0.4942



2.9273, 0.2641, 0.4708

Inverse Universe

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



46.9961, 0.3529, 0.2873



48.3097, 0.3648, 0.2784



45.9230, 0.3899, 0.3307



15.8855, 0.3218, 0.3177



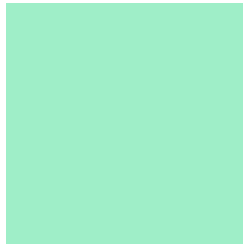
10.8508, 0.5039, 0.2549



0.9227, 0.4734, 0.2382

Previews

White Background



This preview shows how the Yxy color 72.6901, 0.2854, 0.3752 looks on a white background.

Color Contrast Check

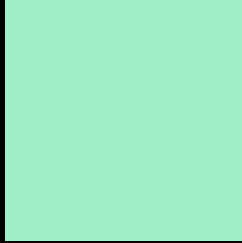
Large Text (above 18pt) WCAG AA × Fail

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 72.6901, 0.2854, 0.3752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

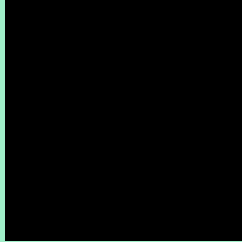
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.6901, 0.2854, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 72.6901, 0.2854, 0.3752.

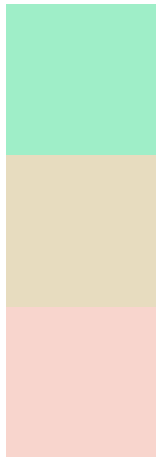


This preview shows how white text looks on a background with the Yxy color 72.6901, 0.2854, 0.3752.

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

72.6901, 0.2854, 0.3752

Protanopia

71.9369, 0.3406, 0.3606

Deuteranopia

71.9527, 0.3448, 0.3374



Tritanopia

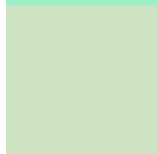
72.6000, 0.2642, 0.3074

Trichromacy



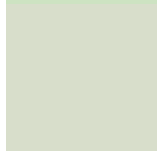
Original Color

72.6901, 0.2854, 0.3752



Protanomaly

71.8123, 0.3186, 0.3667



Deuteranomaly

71.1533, 0.3210, 0.3502



Tritanomaly

72.7788, 0.2718, 0.3312

Monochromacy



Original Color

72.6901, 0.2854, 0.3752



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.7190, 0.3014, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6901, 0.2854, 0.3752 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(159, 238, 200)` looks like.

```
.text, #text, p{  
    color:rgb(159, 238, 200)  
}
```

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(159, 238, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 238, 200) }
```

Border

The CSS property to change the border of an element to Yxy 72.6901, 0.2854, 0.3752 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(159, 238, 200) }
```

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

```
.border{ border-color:rgb(159, 238, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 238, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 238, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 238, 200);  
box-shadow:4px 4px 4px 4px rgb(159, 238,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6901, 0.2854, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 238, 200) }
```

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

```
.background{ background-color: rgb(159,  
238, 200) }
```

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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