

Converting Colors

$Y_{xy}(70.0064, 0.2555, 0.3289)$

Have a look what the booklet for
Yxy(70.0064, 0.2555, 0.3289)
contains.

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Color

Yxy(70.0204, 0.2556, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	88EAEA
RGB	136, 234, 234
RGB Percent	53%, 92%, 92%
CMY	0.4666, 0.0824, 0.0823
CMYK	0.42, 0.00, 0.00, 0.08
HSL	180°, 70%, 73%
HSV	180°, 42%, 92%
XYZ	54.4319, 70.0204, 88.5051
YIQ	204.6980, -58.4080, -20.7760

Conversions

Conversions Part 2

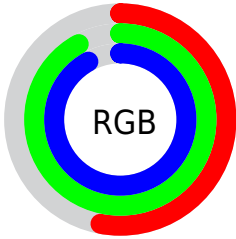
Format	Color
RYB	136, 185, 234
Decimal	8973034
CIELab	87.01, -28.78, -9.05
CIELCh	87, 30.169, 197.464
Yxy	70.0204, 0.2556, 0.3288
Android (android.graphics.Color)	4287163114 (0xFF88EAEA)
YUV	204.6980, 14.4459, -60.2481
Hunter-Lab	83.6782, -30.3242, -4.1354

Details

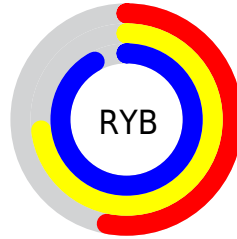
The Yxy color **70.0204, 0.2556, 0.3288** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.8955, 0.4213, 0.3294**, and the grayscale version is **60.7879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **36.6329, 0.2425, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **68.2693, 0.2458, 0.3288**, and if you desaturate by 10%, it is **72.2047, 0.2672, 0.3288**.

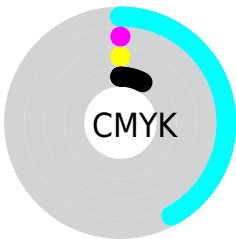
Distribution



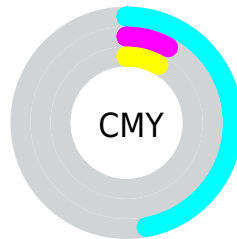
- Red (53%)
- Green (92%)
- Blue (92%)



- Red (53%)
- Yellow (73%)
- Blue (92%)



- Cyan (42%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)





- Cyan (47%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0204, 0.2556, 0.3288 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 70.0204, 0.2556, 0.3288 by changing the saturation by 10% instead.


 70.0204, 0.2556,
0.3288


 70.0204, 0.2556,
0.3288


460.6216, 0.2817,
0.3295


 51.5432, 0.2497,
0.3285


 119.2378, 0.2646,
0.3291

 36.6411, 0.2425,
0.3281


 150.7468, 0.2681,
0.3292

 24.9297, 0.2334,
0.3274


 187.3686, 0.2712,
0.3293

 16.0247, 0.2217,
0.3264

229.4874, 0.2738,
0.3294

 9.5416, 0.2060,
0.3247

277.4877, 0.2762,
0.3294

 5.0961, 0.1842,
0.3214

331.7539, 0.2782,

 2.3038, 0.1518,

0.3294

392.6704, 0.2801,
0.3294

0.3147

0.7757, 0.0146,
0.3253

0.0000, 0.0000,
0.0000

70.0204, 0.2556,
0.3288

70.0204, 0.2556,
0.3288

68.2693, 0.2458,
0.3288

72.2047, 0.2672,
0.3288

66.9151, 0.2378,
0.3287


74.8397, 0.2802,
0.3289

65.9290, 0.2319,
0.3287


77.9515, 0.2945,
0.3289

65.2749, 0.2278,
0.3287


81.5623, 0.3098,
0.3290


 64.9091, 0.2255,
0.3287


 85.6925, 0.3256,
0.3290

 64.7679, 0.2246,
0.3287

 86.0671, 0.3270,
0.3291

 86.0705, 0.3270,
0.3291

 86.0738, 0.3270,
0.3291

 86.0771, 0.3270,
0.3291

Harmonies

Analogous

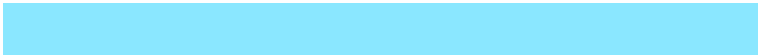
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.0204, 0.2817, 0.3641



70.0204, 0.2556, 0.3288



70.0204, 0.2445, 0.2962

Triad

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



70.0204, 0.2556, 0.3288



70.0204, 0.3049, 0.2771



70.0204, 0.3783, 0.3809

Complementary

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



70.0204, 0.2556, 0.3288



36.8955, 0.4213, 0.3294

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.



70.0204, 0.3861, 0.3550



70.0204, 0.2556, 0.3288



70.0204, 0.3424, 0.2971

Square

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



70.0204, 0.2556, 0.3288



70.0204, 0.2716, 0.2689



70.0204, 0.3728, 0.3249



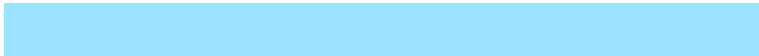
70.0204, 0.3526, 0.3946

Rectangle

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



70.0204, 0.2556, 0.3288



70.0204, 0.2464, 0.2806



70.0204, 0.3728, 0.3249



70.0204, 0.3832, 0.3732

Sweetspot

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



70.0231, 0.2556, 0.3288



94.2406, 0.2928, 0.3289



65.8733, 0.3066, 0.4587



19.9843, 0.2896, 0.3289



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.



70.0231, 0.2556, 0.3288



83.2702, 0.2473, 0.3288



45.8849, 0.2453, 0.2656



17.1212, 0.2981, 0.3290



36.3880, 0.2246, 0.3287



2.8575, 0.2246, 0.3287

Inverse Universe

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



41.0509, 0.3176, 0.2263



43.7862, 0.3184, 0.2083



53.9817, 0.3967, 0.3842



15.3137, 0.3138, 0.3058



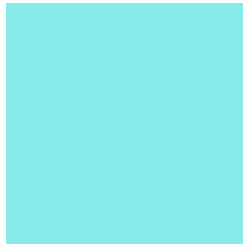
13.1662, 0.3210, 0.1542



1.0339, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 70.0204, 0.2556, 0.3288 looks on a white background.

Color Contrast Check

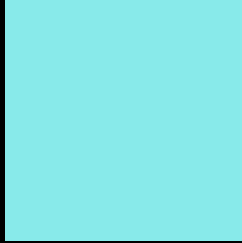
Large Text (above 18pt) WCAG AA × Fail

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 70.0204, 0.2556, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

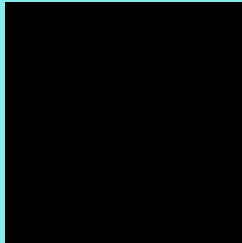
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0204, 0.2556, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 70.0204, 0.2556, 0.3288.

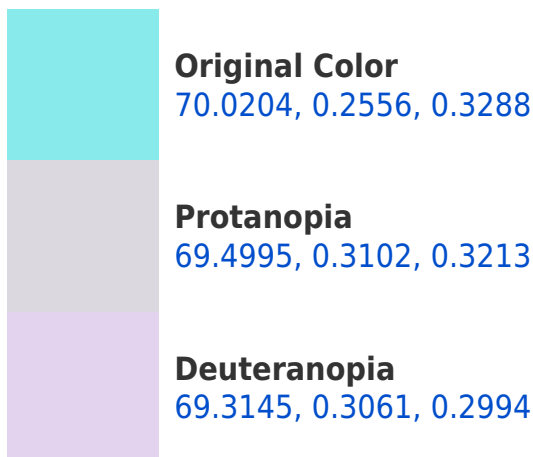


This preview shows how white text looks on a background with the Yxy color 70.0204, 0.2556, 0.3288.

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

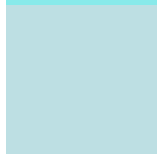
70.2781, 0.2500, 0.3077

Trichromacy



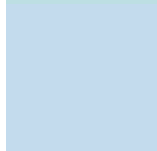
Original Color

70.0204, 0.2556, 0.3288



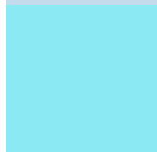
Protanomaly

69.1402, 0.2873, 0.3243



Deuteranomaly

68.3796, 0.2850, 0.3087



Tritanomaly

70.2984, 0.2521, 0.3158

Monochromacy



Original Color

70.0204, 0.2556, 0.3288



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.7729, 0.2877, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0204, 0.2556, 0.3288 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(136, 234, 234)` looks like.

```
.text, #text, p{  
    color:rgb(136, 234, 234)  
}
```

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(136, 234, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 234, 234) }
```

Border

The CSS property to change the border of an element to Yxy 70.0204, 0.2556, 0.3288 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(136, 234, 234) }
```

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

```
.border{ border-color:rgb(136, 234, 234) }
```

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

Here you see how a box with a 4 pixel rgb(136, 234, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 234, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 234, 234);  
box-shadow:4px 4px 4px 4px rgb(136, 234,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0204, 0.2556, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 234, 234) }
```

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

```
.background{ background-color: rgb(136,  
234, 234) }
```

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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