

Converting Colors

$Y_{xy}(70.3808, 0.2589, 0.3271)$

Have a look what the booklet for
Yxy(70.3808, 0.2589, 0.3271)
contains.

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Color

Yxy(70.2053, 0.2587, 0.3264)

Conversions

Conversions Part 1

Format	Color
Hex	90E9EB
RGB	144, 233, 235
RGB Percent	56%, 91%, 92%
CMY	0.4352, 0.0863, 0.0783
CMYK	0.39, 0.01, 0.00, 0.08
HSL	181°, 70%, 74%
HSV	181°, 39%, 92%
XYZ	55.6437, 70.2053, 89.2407
YIQ	206.6170, -53.6860, -18.2460

Conversions

Conversions Part 2

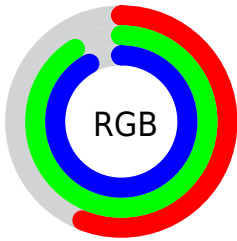
Format	Color
RYB	144, 189, 235
Decimal	9497067
CIELab	87.10, -26.11, -9.41
CIElCh	87, 27.755, 199.826
Yxy	70.2053, 0.2587, 0.3264
Android (android.graphics.Color)	4287687147 (0xFF90E9EB)
YUV	206.6170, 13.9928, -54.9151
Hunter-Lab	83.7886, -28.0888, -4.4960

Details

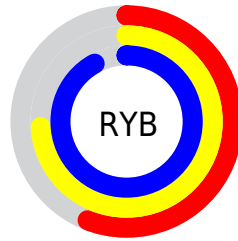
The Yxy color **70.2053, 0.2587, 0.3264** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.2632, 0.4085, 0.3316**, and the grayscale version is **62.0793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **36.7252, 0.2464, 0.3256** is the 20% darker color. If you saturate the color by 10%, you get **68.0091, 0.2481, 0.3257**, and if you desaturate by 10%, it is **72.8485, 0.2709, 0.3271**.

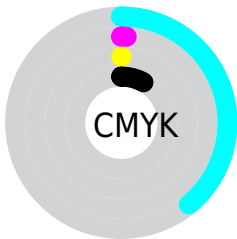
Distribution



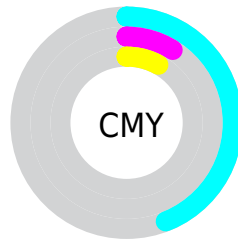
- Red (56%)
- Green (91%)
- Blue (92%)



- Red (56%)
- Yellow (74%)
- Blue (92%)



- Cyan (39%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)





- Cyan (44%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2053, 0.2587, 0.3264 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 70.2053, 0.2587, 0.3264 by changing the saturation by 10% instead.


 70.2053, 0.2587,
0.3264


 70.2053, 0.2587,
0.3264


461.2705, 0.2834,
0.3281

 51.6939, 0.2531,
0.3259


 119.5015, 0.2672,
0.3271

 36.7612, 0.2463,
0.3252


 151.0551, 0.2706,
0.3273

 25.0226, 0.2377,
0.3242


187.7249, 0.2734,
0.3275

 16.0939, 0.2266,
0.3227

229.8952, 0.2759,
0.3277

 9.5906, 0.2117,
0.3204

277.9506, 0.2782,
0.3278

 5.1284, 0.1909,
0.3164


332.2753, 0.2801,

 2.3228, 0.1600,


0.3279


0.3087

393.2538, 0.2819,
0.3280


 0.7857, 0.0434,
0.3118


 0.0000, 0.0000,
0.0000


 70.2053, 0.2587,
0.3264

 70.2053, 0.2587,
0.3264


 68.0091, 0.2481,
0.3257

 72.8485, 0.2709,
0.3271


 66.2240, 0.2393,
0.3249


 75.9555, 0.2846,
0.3278

 64.8222, 0.2324,
0.3241


 79.5525, 0.2993,
0.3285

 63.7687, 0.2275,
0.3234


 83.6610, 0.3147,
0.3291


 63.0224, 0.2244,
0.3226


 87.0377, 0.3262,
0.3296

 62.5220, 0.2229,
0.3219

 87.3408, 0.3261,
0.3301

 62.4650, 0.2227,
0.3218

 87.6448, 0.3261,
0.3307

 87.9496, 0.3260,
0.3312

 88.2554, 0.3260,
0.3317

Harmonies

Analogous

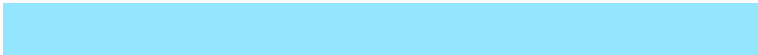
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.2053, 0.2819, 0.3588



70.2053, 0.2587, 0.3264



70.2053, 0.2495, 0.2970

Triad

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



70.2053, 0.2587, 0.3264



70.2053, 0.3083, 0.2821



70.2053, 0.3718, 0.3785

Complementary

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



70.2053, 0.2587, 0.3264



40.2632, 0.4085, 0.3316

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.



70.2053, 0.3803, 0.3554



70.2053, 0.2587, 0.3264



70.2053, 0.3426, 0.3014

Square

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



70.2053, 0.2587, 0.3264



70.2053, 0.2769, 0.2736



70.2053, 0.3695, 0.3276



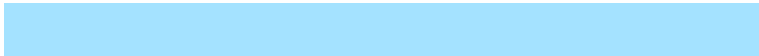
70.2053, 0.3472, 0.3895

Rectangle

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



70.2053, 0.2587, 0.3264



70.2053, 0.2521, 0.2832



70.2053, 0.3695, 0.3276



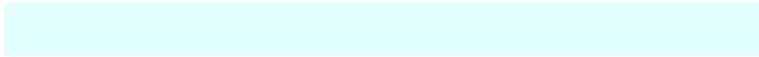
70.2053, 0.3767, 0.3717

Sweetspot

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



70.2081, 0.2587, 0.3264



94.2146, 0.2943, 0.3283



67.4304, 0.3064, 0.4454



20.0426, 0.2923, 0.3282



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.



70.2081, 0.2587, 0.3264



82.4522, 0.2506, 0.3258



47.9067, 0.2501, 0.2692



17.0606, 0.2981, 0.3284



34.7799, 0.2228, 0.3219



2.7495, 0.2230, 0.3229

Inverse Universe

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



43.5080, 0.3190, 0.2354



46.4029, 0.3202, 0.2188



56.9668, 0.3883, 0.3817



15.3076, 0.3141, 0.3063



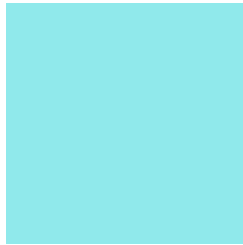
13.0039, 0.3266, 0.1573



1.0230, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 70.2053, 0.2587, 0.3264 looks on a white background.

Color Contrast Check

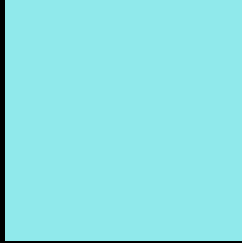
Large Text (above 18pt) WCAG AA × Fail

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 70.2053, 0.2587, 0.3264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

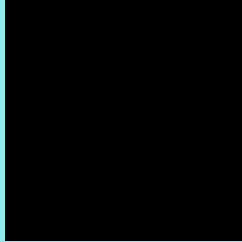
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2053, 0.2587, 0.3264

Background



This preview shows how black text looks on a background with the Yxy color 70.2053, 0.2587, 0.3264.

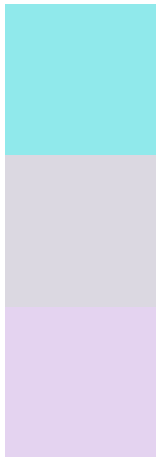


This preview shows how white text looks on a background with the Yxy color 70.2053, 0.2587, 0.3264.

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

70.2053, 0.2587, 0.3264

Protanopia

69.6080, 0.3089, 0.3192

Deuteranopia

69.3738, 0.3055, 0.2984



Tritanopia

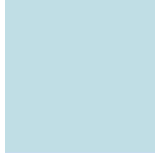
70.2873, 0.2535, 0.3079

Trichromacy



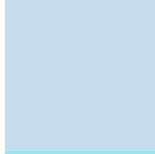
Original Color

70.2053, 0.2587, 0.3264



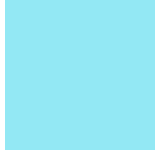
Protanomaly

69.1062, 0.2880, 0.3210



Deuteranomaly

68.7064, 0.2857, 0.3077



Tritanomaly

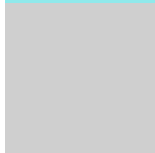
70.4479, 0.2556, 0.3147

Monochromacy



Original Color

70.2053, 0.2587, 0.3264



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.3118, 0.2897, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2053, 0.2587, 0.3264 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(144, 233, 235)` looks like.

```
.text, #text, p{  
    color:rgb(144, 233, 235)  
}
```

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(144, 233, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 233, 235) }
```

Border

The CSS property to change the border of an element to Yxy 70.2053, 0.2587, 0.3264 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(144, 233, 235) }
```

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

```
.border{ border-color:rgb(144, 233, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 233, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 233, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 233, 235);  
box-shadow:4px 4px 4px 4px rgb(144, 233,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2053, 0.2587, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 233, 235) }
```

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

```
.background{ background-color: rgb(144,  
233, 235) }
```

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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