

Converting Colors

$Yxy(72.1607, 0.2638, 0.3246)$

Have a look what the booklet for
Yxy(72.1607, 0.2638, 0.3246)
contains.

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Color

Yxy(72.1868, 0.2639, 0.3242)

Conversions

Conversions Part 1

Format	Color
Hex	9DEAEE
RGB	157, 234, 238
RGB Percent	62%, 92%, 93%
CMY	0.3842, 0.0823, 0.0667
CMYK	0.34, 0.02, 0.00, 0.07
HSL	183°, 70%, 77%
HSV	183°, 34%, 93%
XYZ	58.7603, 72.1868, 91.7142
YIQ	211.4330, -47.1760, -15.0800

Conversions

Conversions Part 2

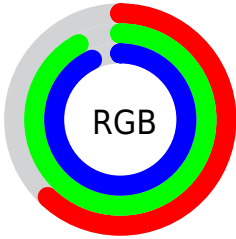
Format	Color
R _{YB}	157, 196, 238
Decimal	10349294
CIE _{Lab}	88.06, -22.58, -9.47
CIE _{LCh}	88, 24.489, 202.750
Y _{xy}	72.1868, 0.2639, 0.3242
Android (android.graphics.Color)	4288539374 (0xFF9DEAEE)
YUV	211.4330, 13.0975, -47.7377
Hunter-Lab	84.9628, -25.2342, -4.5274

Details

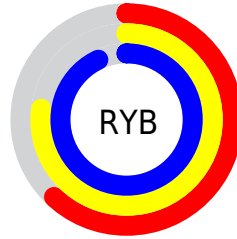
The Yxy color **72.1868, 0.2639, 0.3242** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.0998, 0.3915, 0.3337**, and the grayscale version is **65.3810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **37.9849, 0.2525, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **69.3597, 0.2522, 0.3226**, and if you desaturate by 10%, it is **75.4903, 0.2770, 0.3257**.

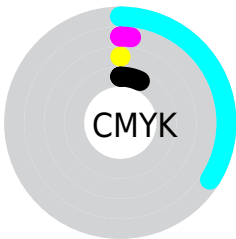
Distribution



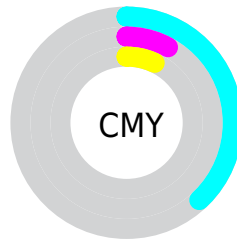
- Red (62%)
- Green (92%)
- Blue (93%)



- Red (62%)
- Yellow (77%)
- Blue (93%)



- Cyan (34%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)




- Cyan (38%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1868, 0.2639, 0.3242 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 72.1868, 0.2639, 0.3242 by changing the saturation by 10% instead.


 72.1868, 0.2639,
0.3242


 72.1868, 0.2639,
0.3242


468.1915, 0.2862,
0.3269

 53.3113, 0.2589,
0.3235


 122.3221, 0.2716,
0.3252

 38.0513, 0.2528,
0.3226


 154.3506, 0.2746,
0.3256

 26.0225, 0.2451,
0.3213

191.5323, 0.2772,
0.3259

 16.8405, 0.2351,
0.3195

234.2515, 0.2794,
0.3261

 10.1208, 0.2218,
0.3169

282.8926, 0.2814,
0.3264

 5.4791, 0.2032,
0.3126

337.8401, 0.2832,

 2.5310, 0.1755,

0.3265

399.4783, 0.2848,
0.3267

0.3048

0.8921, 0.0992,
0.2985

0.0000, 0.0000,
0.0000

72.1868, 0.2639,
0.3242

72.1868, 0.2639,
0.3242

69.3597, 0.2522,
0.3226

75.4903, 0.2770,
0.3257

66.9731, 0.2423,
0.3210

79.2865, 0.2913,
0.3272

64.9999, 0.2341,
0.3193

83.6016, 0.3064,
0.3285

63.4064, 0.2280,
0.3176

88.4572, 0.3222,
0.3297

■ 62.1536, 0.2237,
0.3159

■ 89.6688, 0.3239,
0.3309

■ 61.1936, 0.2213,
0.3143

■ 90.3599, 0.3238,
0.3320

■ 60.7164, 0.2204,
0.3133

■ 91.0555, 0.3237,
0.3331

■ 91.7555, 0.3236,
0.3343

■ 92.4600, 0.3235,
0.3354

Harmonies

Analogous

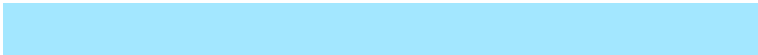
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.1868, 0.2834, 0.3524



72.1868, 0.2639, 0.3242



72.1868, 0.2570, 0.2991

Triad

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



72.1868, 0.2639, 0.3242



72.1868, 0.3120, 0.2889



72.1868, 0.3629, 0.3740

Complementary

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



72.1868, 0.2639, 0.3242



46.0998, 0.3915, 0.3337

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.



72.1868, 0.3717, 0.3547



72.1868, 0.2639, 0.3242



72.1868, 0.3416, 0.3068

Square

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



72.1868, 0.2639, 0.3242



72.1868, 0.2838, 0.2804



72.1868, 0.3639, 0.3304



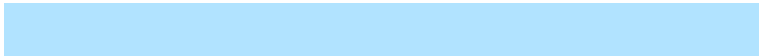
72.1868, 0.3404, 0.3819

Rectangle

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



72.1868, 0.2639, 0.3242



72.1868, 0.2602, 0.2876



72.1868, 0.3639, 0.3304



72.1868, 0.3676, 0.3685

Sweetspot

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



72.1897, 0.2639, 0.3242



94.6825, 0.2973, 0.3277



70.8395, 0.3065, 0.4274



20.1168, 0.2951, 0.3275



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.



72.1897, 0.2639, 0.3242



82.0287, 0.2554, 0.3231



52.2841, 0.2576, 0.2759



17.7878, 0.2981, 0.3278



33.9356, 0.2205, 0.3136



2.8638, 0.2210, 0.3157

Inverse Universe

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



48.2353, 0.3200, 0.2483



50.1097, 0.3217, 0.2321



62.0116, 0.3768, 0.3766



16.0172, 0.3146, 0.3069



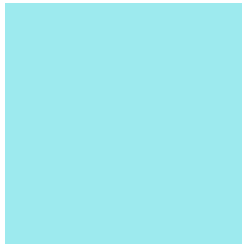
13.2192, 0.3336, 0.1612



1.1038, 0.3318, 0.1601

Previews

White Background



This preview shows how the Yxy color 72.1868, 0.2639, 0.3242 looks on a white background.

Color Contrast Check

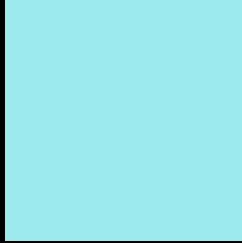
Large Text (above 18pt) WCAG AA × Fail

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 72.1868, 0.2639, 0.3242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

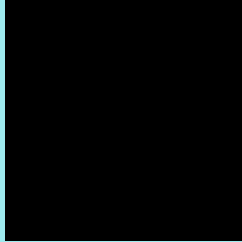
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.1868, 0.2639, 0.3242

Background



This preview shows how black text looks on a background with the Yxy color 72.1868, 0.2639, 0.3242.

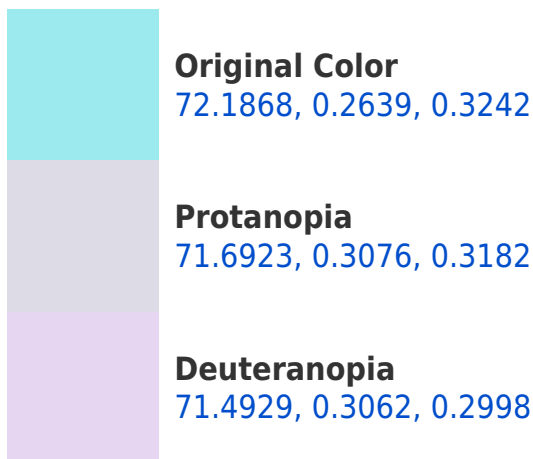


This preview shows how white text looks on a background with the Yxy color 72.1868, 0.2639, 0.3242.

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

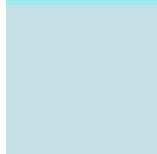
72.1518, 0.2587, 0.3071

Trichromacy



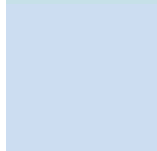
Original Color

72.1868, 0.2639, 0.3242



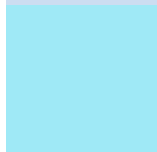
Protanomaly

71.1433, 0.2902, 0.3200



Deuteranomaly

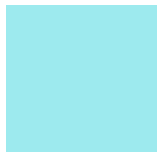
70.9011, 0.2886, 0.3070



Tritanomaly

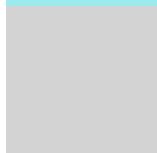
72.3026, 0.2608, 0.3139

Monochromacy



Original Color

72.1868, 0.2639, 0.3242



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

66.9599, 0.2920, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1868, 0.2639, 0.3242 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, 234, 238)` looks like.

```
.text, #text, p{  
    color:rgb(157, 234, 238)  
}
```

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, 234, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 234, 238) }
```

Border

The CSS property to change the border of an element to Yxy 72.1868, 0.2639, 0.3242 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, 234, 238) }
```

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

```
.border{ border-color:rgb(157, 234, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 234, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 234, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 234, 238);  
box-shadow:4px 4px 4px 4px rgb(157, 234,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1868, 0.2639, 0.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 234, 238) }
```

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

```
.background{ background-color: rgb(157,  
234, 238) }
```

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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