

Converting Colors

$Yxy(71.8882, 0.2465, 0.3144)$

Have a look what the booklet for
Yxy(71.8882, 0.2465, 0.3144)
contains.

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Color

Yxy(72.0751, 0.2464, 0.3146)

Conversions

Conversions Part 1

Format	Color
Hex	81EDF9
RGB	129, 237, 249
RGB Percent	51%, 93%, 98%
CMY	0.4937, 0.0706, 0.0234
CMYK	0.48, 0.05, 0.00, 0.02
HSL	186°, 91%, 74%
HSV	186°, 48%, 98%
XYZ	56.4504, 72.0751, 100.5752
YIQ	206.0760, -68.2200, -19.1640

Conversions

Conversions Part 2

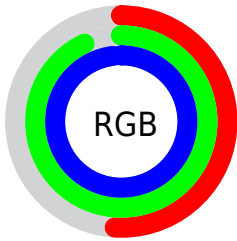
Format	Color
R _Y B	129, 186, 249
Decimal	8515065
CIE Lab	88.00, -28.01, -15.46
CIE LCh	88, 31.992, 208.897
Yxy	72.0751, 0.2464, 0.3146
Android (android.graphics.Color)	4286705145 (0xFF81EDF9)
YUV	206.0760, 21.1615, -67.5957
Hunter-Lab	84.8971, -29.8802, -10.8113

Details

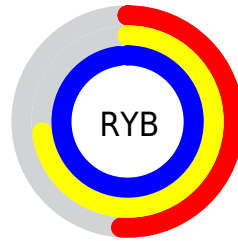
The Yxy color **72.0751, 0.2464, 0.3146** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.8231, 0.4407, 0.3421**, and the grayscale version is **61.6855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **38.0563, 0.2313, 0.3100** is the 20% darker color. If you saturate the color by 10%, you get **68.9207, 0.2366, 0.3112**, and if you desaturate by 10%, it is **75.7304, 0.2579, 0.3179**.

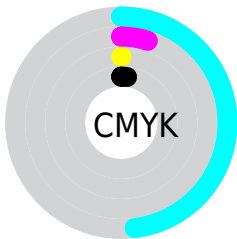
Distribution



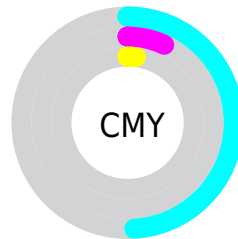
- Red (51%)
- Green (93%)
- Blue (98%)



- Red (51%)
- Yellow (73%)
- Blue (98%)



- Cyan (48%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)





- Cyan (49%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0751, 0.2464, 0.3146 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 72.0751, 0.2464, 0.3146 by changing the saturation by 10% instead.

 72.0751, 0.2464,
0.3146


 72.0751, 0.2464,
0.3146


467.8030, 0.2764,
0.3221


 53.2200, 0.2398,
0.3127


 122.1633, 0.2566,
0.3173

 37.9784, 0.2317,
0.3103


 154.1652, 0.2607,
0.3184

 25.9660, 0.2216,
0.3071


 191.3182, 0.2642,
0.3192

 16.7982, 0.2087,
0.3028

234.0066, 0.2672,
0.3200

 10.0907, 0.1918,
0.2965

282.6149, 0.2699,
0.3206

 5.4591, 0.1687,
0.2867

337.5275, 0.2723,

 2.5191, 0.1360,

0.3211

399.1287, 0.2744,
0.3216

0.2702

0.8862, 0.0447,
0.2500

0.0000, 0.0000,
0.0000

72.0751, 0.2464,
0.3146

72.0751, 0.2464,
0.3146

68.9207, 0.2366,
0.3112

75.7304, 0.2579,
0.3179

66.2238, 0.2286,
0.3076


79.9100, 0.2709,
0.3211

63.9471, 0.2226,
0.3041


84.6456, 0.2851,
0.3241


62.0433, 0.2185,
0.3006


89.9639, 0.3001,
0.3269

 60.4473, 0.2161,
0.2972

 95.8900, 0.3156,
0.3295

 60.1693, 0.2157,
0.2966

 97.7101, 0.3163,
0.3318

 99.2899, 0.3162,
0.3342

 99.6209, 0.3162,
0.3347

Harmonies

Analogous

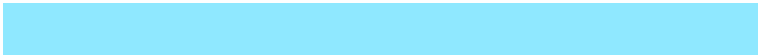
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.0751, 0.2681, 0.3523



72.0751, 0.2464, 0.3146



72.0751, 0.2414, 0.2843

Triad

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



72.0751, 0.2464, 0.3146



72.0751, 0.3195, 0.2814



72.0751, 0.3731, 0.3909

Complementary

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



72.0751, 0.2464, 0.3146



40.8231, 0.4407, 0.3421

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.



72.0751, 0.3893, 0.3674



72.0751, 0.2464, 0.3146



72.0751, 0.3575, 0.3059

Square

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



72.0751, 0.2464, 0.3146



72.0751, 0.2817, 0.2677



72.0751, 0.3837, 0.3366



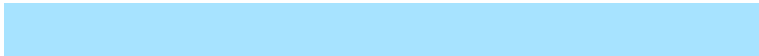
72.0751, 0.3409, 0.3985

Rectangle

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



72.0751, 0.2464, 0.3146



72.0751, 0.2479, 0.2719



72.0751, 0.3837, 0.3366



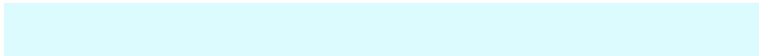
72.0751, 0.3806, 0.3844

Sweetspot

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



72.0779, 0.2464, 0.3146



91.5821, 0.2912, 0.3253



74.3662, 0.3000, 0.4671



19.3485, 0.2880, 0.3247



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.



72.0779, 0.2464, 0.3146



72.7653, 0.2366, 0.3112



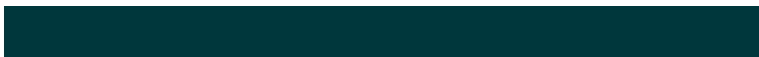
42.9899, 0.2320, 0.2380



19.2933, 0.2980, 0.3265



32.3221, 0.2159, 0.2971



3.0770, 0.2170, 0.3013

Inverse Universe

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



41.9865, 0.3290, 0.2220



38.0969, 0.3330, 0.2037



63.5310, 0.4068, 0.4042



17.4928, 0.3153, 0.3079



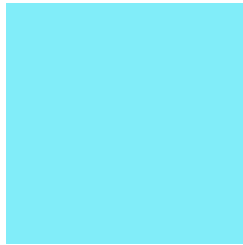
13.6738, 0.3480, 0.1690



1.2749, 0.3443, 0.1670

Previews

White Background



This preview shows how the Yxy color 72.0751, 0.2464, 0.3146 looks on a white background.

Color Contrast Check

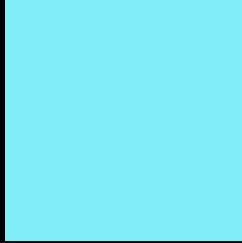
Large Text (above 18pt) WCAG AA × Fail

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 72.0751, 0.2464, 0.3146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

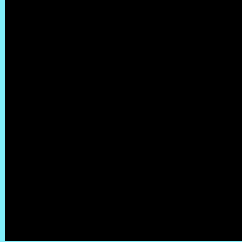
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.0751, 0.2464, 0.3146

Background



This preview shows how black text looks on a background with the Yxy color 72.0751, 0.2464, 0.3146.



This preview shows how white text looks on a background with the Yxy color 72.0751, 0.2464, 0.3146.

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

72.0751, 0.2464, 0.3146

Protanopia

71.1627, 0.3003, 0.3085

Deuteranopia

71.0962, 0.2937, 0.2873



Tritanopia

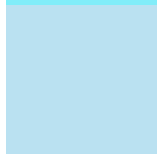
72.0362, 0.2444, 0.3066

Trichromacy



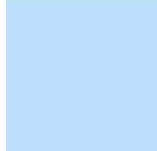
Original Color

72.0751, 0.2464, 0.3146



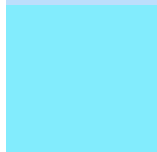
Protanomaly

70.6404, 0.2775, 0.3109



Deuteranomaly

70.0896, 0.2729, 0.2958



Tritanomaly

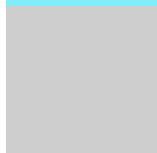
71.8286, 0.2448, 0.3089

Monochromacy



Original Color

72.0751, 0.2464, 0.3146



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.3646, 0.2828, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0751, 0.2464, 0.3146 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(129, 237, 249)` looks like.

```
.text, #text, p{  
    color:rgb(129, 237, 249)  
}
```

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(129, 237, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 237, 249) }
```

Border

The CSS property to change the border of an element to Yxy 72.0751, 0.2464, 0.3146 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(129, 237, 249) }
```

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

```
.border{ border-color:rgb(129, 237, 249) }
```

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

Here you see how a box with a 4 pixel rgb(129, 237, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 237, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 237, 249);  
box-shadow:4px 4px 4px 4px rgb(129, 237,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0751, 0.2464, 0.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 237, 249) }
```

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

```
.background{ background-color: rgb(129,  
237, 249) }
```

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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