

Converting Colors

$Yxy(73.0591, 0.2435, 0.3093)$

Have a look what the booklet for
Yxy(73.0591, 0.2435, 0.3093)
contains.

Yxy(72.9583, 0.2436, 0.3090)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.9583, 0.2436, 0.3090)

Conversions

Conversions Part 1

Format	Color
Hex	80EEFF
RGB	128, 238, 255
RGB Percent	50%, 93%, 100%
CMY	0.4982, 0.0666, 0.0001
CMYK	0.50, 0.07, 0.00, 0.00
HSL	188°, 100%, 75%
HSV	188°, 50%, 100%
XYZ	57.5166, 72.9583, 105.6361
YIQ	207.0480, -71.0170, -18.0330

Conversions

Conversions Part 2

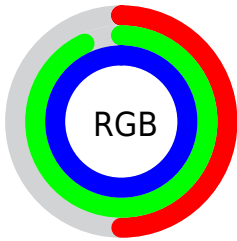
Format	Color
R _Y B	128, 187, 255
Decimal	8449791
CIE Lab	88.43, -27.20, -17.94
CIE LCh	88, 32.588, 213.410
Yxy	72.9583, 0.2436, 0.3090
Android (android.graphics.Color)	4286639871 (0xFF80EEFF)
YUV	207.0480, 23.6403, -69.3251
Hunter-Lab	85.4156, -29.2801, -13.5348

Details

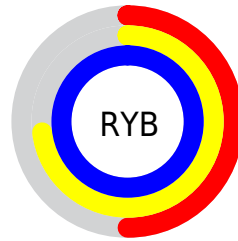
The Yxy color **72.9583, 0.2436, 0.3090** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.0348, 0.4452, 0.3469**, and the grayscale version is **62.3012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **38.6231, 0.2286, 0.3041** is the 20% darker color. If you saturate the color by 10%, you get **69.2633, 0.2336, 0.3043**, and if you desaturate by 10%, it is **77.1930, 0.2553, 0.3135**.

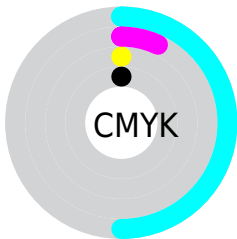
Distribution



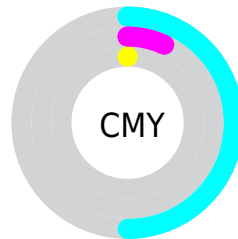
- Red (50%)
- Green (93%)
- Blue (100%)



- Red (50%)
- Yellow (73%)
- Blue (100%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9583, 0.2436, 0.3090 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 72.9583, 0.2436, 0.3090 by changing the saturation by 10% instead.


 72.9583, 0.2436,
0.3090


 72.9583, 0.2436,
0.3090


470.8703, 0.2747,
0.3191


 53.9419, 0.2367,
0.3065


 123.4180, 0.2542,
0.3126

 38.5552, 0.2284,
0.3034


 155.6301, 0.2584,
0.3140

 26.4139, 0.2181,
0.2993


 193.0095, 0.2620,
0.3152

 17.1335, 0.2049,
0.2938

235.9406, 0.2652,
0.3162

 10.3297, 0.1878,
0.2859

284.8078, 0.2680,
0.3170

 5.6181, 0.1646,
0.2742

339.9956, 0.2704,

 2.6143, 0.1320,

0.3178

0.2549

401.8883, 0.2727,
0.3185

■ 0.9339, 0.0543,
0.2275

■ 0.0000, 0.0000,
0.0000

■ 72.9583, 0.2436,
0.3090

■ 72.9583, 0.2436,
0.3090

■ 69.2633, 0.2336,
0.3043

■ 77.1930, 0.2553,
0.3135

■ 66.0614, 0.2255,
0.2996

■ 81.9931, 0.2683,
0.3178

■ 63.3118, 0.2194,
0.2948

■ 87.3928, 0.2825,
0.3219

■ 60.9626, 0.2152,
0.2901

■ 93.4208, 0.2975,
0.3256

■ 58.9306, 0.2126,
0.2854

99.9984, 0.3127,
0.3290

■ 58.8953, 0.2126,
0.2853

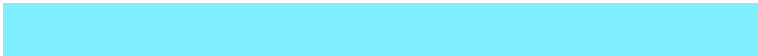
Harmonies

Analogous

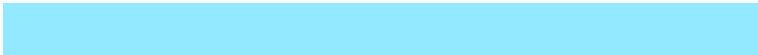
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9583, 0.2632, 0.3468



72.9583, 0.2436, 0.3090



72.9583, 0.2413, 0.2802

Triad

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



72.9583, 0.2436, 0.3090



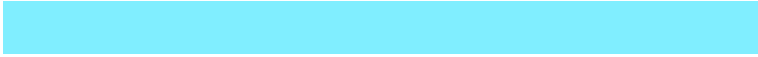
72.9583, 0.3257, 0.2839



72.9583, 0.3698, 0.3942

Complementary

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



72.9583, 0.2436, 0.3090



43.0348, 0.4452, 0.3469

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.



72.9583, 0.3892, 0.3722



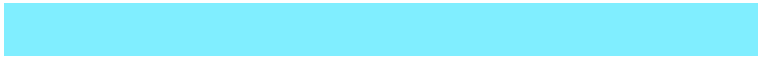
72.9583, 0.2436, 0.3090



72.9583, 0.3633, 0.3100

Square

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



72.9583, 0.2436, 0.3090



72.9583, 0.2866, 0.2681



72.9583, 0.3871, 0.3415



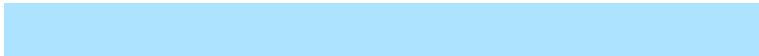
72.9583, 0.3355, 0.3988

Rectangle

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



72.9583, 0.2436, 0.3090



72.9583, 0.2495, 0.2692



72.9583, 0.3871, 0.3415



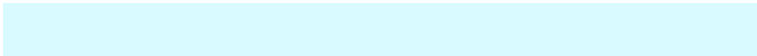
72.9583, 0.3784, 0.3883

Sweetspot

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



72.9611, 0.2436, 0.3090



90.2382, 0.2897, 0.3237



78.1298, 0.2978, 0.4676



19.0462, 0.2865, 0.3229



0.0000, 0.0000, 0.0000



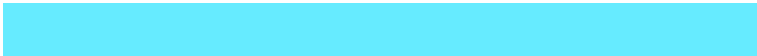
21.4041, 0.3127, 0.3290

Same Dimension

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



72.9611, 0.2436, 0.3090



69.2168, 0.2335, 0.3042



42.2784, 0.2280, 0.2286



20.0433, 0.2980, 0.3257



30.9416, 0.2128, 0.2861



3.1224, 0.2143, 0.2915

Inverse Universe

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



42.8537, 0.3335, 0.2220



36.7362, 0.3388, 0.2043



68.1184, 0.4086, 0.4107



18.2562, 0.3159, 0.3087



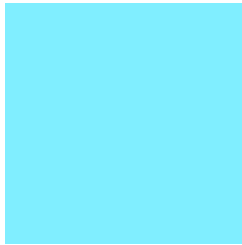
13.8515, 0.3579, 0.1745



1.3598, 0.3530, 0.1718

Previews

White Background



This preview shows how the Yxy color 72.9583, 0.2436, 0.3090 looks on a white background.

Color Contrast Check

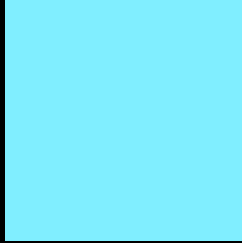
Large Text (above 18pt) WCAG AA × Fail

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 72.9583, 0.2436, 0.3090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

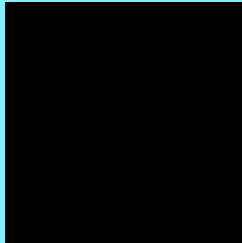
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.9583, 0.2436, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 72.9583, 0.2436, 0.3090.

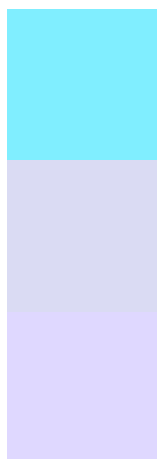


This preview shows how white text looks on a background with the Yxy color 72.9583, 0.2436, 0.3090.

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

72.9583, 0.2436, 0.3090

Protanopia

72.0395, 0.2966, 0.3034

Deuteranopia

72.0197, 0.2925, 0.2884



Tritanopia

73.0226, 0.2466, 0.3079

Trichromacy



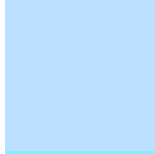
Original Color

72.9583, 0.2436, 0.3090



Protanomaly

71.4224, 0.2737, 0.3055



Deuteranomaly

71.2227, 0.2709, 0.2948



Tritanomaly

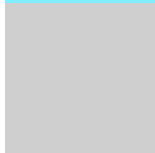
72.7749, 0.2454, 0.3079

Monochromacy



Original Color

72.9583, 0.2436, 0.3090



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

64.9896, 0.2817, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9583, 0.2436, 0.3090 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(128, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 238, 255)  
}
```

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(128, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.9583, 0.2436, 0.3090 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(128, 238, 255) }
```

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

```
.border{ border-color:rgb(128, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9583, 0.2436, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 238, 255) }
```

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

```
.background{ background-color: rgb(128,  
238, 255) }
```

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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