

Converting Colors

$Yxy(79.5001, 0.2083, 0.2218)$

Have a look what the booklet for
Yxy(79.5001, 0.2083, 0.2218)
contains.

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Color

Yxy(72.1510, 0.2395, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	75EEFF
RGB	117, 238, 255
RGB Percent	46%, 93%, 100%
CMY	0.5406, 0.0667, 0.0000
CMYK	0.54, 0.07, 0.00, 0.00
HSL	187°, 100%, 73%
HSV	187°, 54%, 100%
XYZ	55.9772, 72.1510, 105.5971
YIQ	203.7590, -77.5730, -20.3650

Conversions

Conversions Part 2

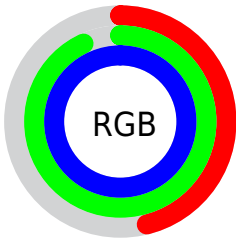
Format	Color
RYB	117, 181, 255
Decimal	7728895
CIELab	88.04, -29.34, -18.59
CIELCh	88, 34.735, 212.350
Yxy	72.1510, 0.2395, 0.3087
Android (android.graphics.Color)	4285918975 (0xFF75EEFF)
YUV	203.7590, 25.2618, -76.0876
Hunter-Lab	84.9417, -31.0153, -14.2484

Details

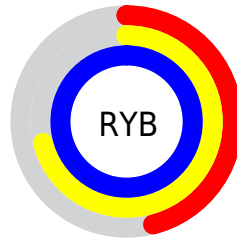
The Yxy color **72.1510, 0.2395, 0.3087** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.6445, 0.4634, 0.3466**, and the grayscale version is **60.1216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **38.1140, 0.2235, 0.3038** is the 20% darker color. If you saturate the color by 10%, you get **68.8009, 0.2305, 0.3044**, and if you desaturate by 10%, it is **76.0176, 0.2504, 0.3130**.

Distribution



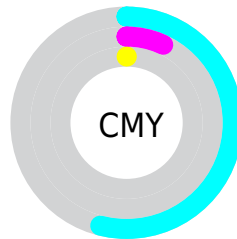
- Red (46%)
- Green (93%)
- Blue (100%)



- Red (46%)
- Yellow (71%)
- Blue (100%)



- Cyan (54%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.1510, 0.2395, 0.3087 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 72.1510, 0.2395, 0.3087 by changing the saturation by 10% instead.


 72.1510, 0.2395,
0.3087


 72.1510, 0.2395,
0.3087

468.0670, 0.2724,
0.3190


 53.2820, 0.2322,
0.3061


 122.2712, 0.2507,
0.3125

 38.0280, 0.2234,
0.3029


 154.2912, 0.2551,
0.3139

 26.0044, 0.2125,
0.2986


 191.4637, 0.2590,
0.3151

 16.8269, 0.1987,
0.2928

234.1730, 0.2623,
0.3161

 10.1112, 0.1806,
0.2846

282.8037, 0.2653,
0.3170

 5.4727, 0.1563,
0.2722

337.7399, 0.2679,

 2.5272, 0.1225,

0.3177

399.3662, 0.2703,
0.3184

0.2518

0.8902, 0.0327,
0.2245

0.0000, 0.0000,
0.0000

72.1510, 0.2395,
0.3087

72.1510, 0.2395,
0.3087

68.8009, 0.2305,
0.3044

76.0176, 0.2504,
0.3130

65.9221, 0.2233,
0.3000

80.4315, 0.2628,
0.3170

63.4697, 0.2182,
0.2956

85.4267, 0.2764,
0.3209

61.3867, 0.2149,
0.2913

91.0329, 0.2911,
0.3244

■ 60.2758, 0.2136,
0.2888

■ 97.2778, 0.3064,
0.3277

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



72.1510, 0.2609, 0.3495



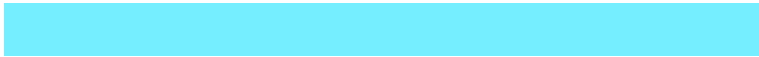
72.1510, 0.2395, 0.3087



72.1510, 0.2364, 0.2776

Triad

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



72.1510, 0.2395, 0.3087



72.1510, 0.3249, 0.2802



72.1510, 0.3747, 0.3980

Complementary

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



72.1510, 0.2395, 0.3087



39.6445, 0.4634, 0.3466

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.



72.1510, 0.3949, 0.3737



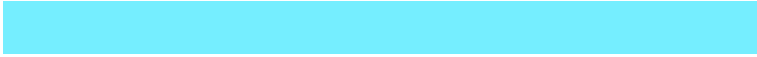
72.1510, 0.2395, 0.3087



72.1510, 0.3655, 0.3075

Square

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



72.1510, 0.2395, 0.3087



72.1510, 0.2834, 0.2639



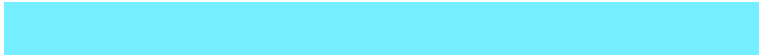
72.1510, 0.3918, 0.3409



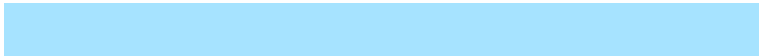
72.1510, 0.3383, 0.4042

Rectangle

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



72.1510, 0.2395, 0.3087



72.1510, 0.2447, 0.2656



72.1510, 0.3918, 0.3409



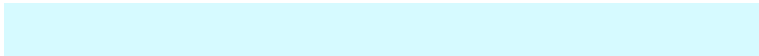
72.1510, 0.3837, 0.3914

Sweetspot

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



72.1526, 0.2395, 0.3087



89.8950, 0.2882, 0.3238



77.0124, 0.2979, 0.4843



18.9886, 0.2851, 0.3230



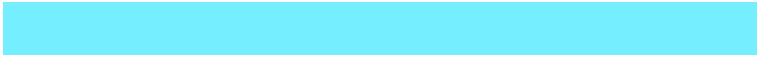
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

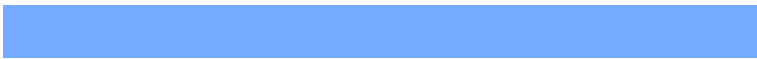
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1526, 0.2395, 0.3087



68.5102, 0.2297, 0.3040



39.7596, 0.2213, 0.2212



20.0761, 0.2980, 0.3260



31.6462, 0.2137, 0.2895



3.1841, 0.2151, 0.2944

Inverse Universe

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



40.1903, 0.3344, 0.2132



34.4181, 0.3397, 0.1956



64.8634, 0.4195, 0.4147



18.2595, 0.3157, 0.3084



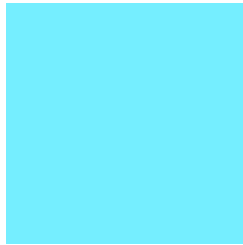
13.9227, 0.3548, 0.1728



1.3660, 0.3504, 0.1704

Previews

White Background



This preview shows how the Yxy color 72.1510, 0.2395, 0.3087 looks on a white background.

Color Contrast Check

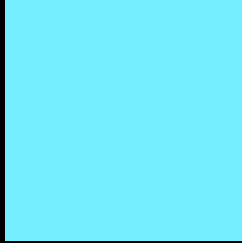
Large Text (above 18pt) WCAG AA × Fail

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 72.1510, 0.2395, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

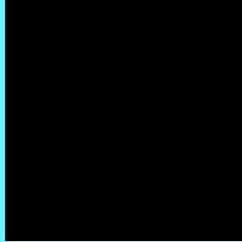
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.1510, 0.2395, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 72.1510, 0.2395, 0.3087.

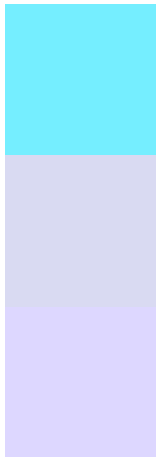


This preview shows how white text looks on a background with the Yxy color 72.1510, 0.2395, 0.3087.

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

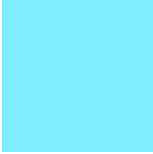
72.1510, 0.2395, 0.3087

Protanopia

71.3053, 0.2965, 0.3033

Deuteranopia

71.1930, 0.2911, 0.2872



Tritanopia

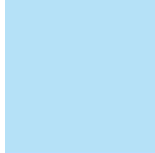
72.2240, 0.2426, 0.3077

Trichromacy



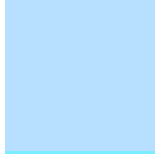
Original Color

72.1510, 0.2395, 0.3087



Protanomaly

70.3896, 0.2712, 0.3041



Deuteranomaly

70.0626, 0.2679, 0.2934



Tritanomaly

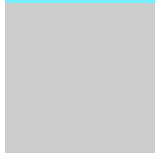
71.9993, 0.2414, 0.3077

Monochromacy



Original Color

72.1510, 0.2395, 0.3087



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.2101, 0.2783, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1510, 0.2395, 0.3087 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(117, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.1510, 0.2395, 0.3087 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(117, 238, 255) }
```

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

```
.border{ border-color:rgb(117, 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(117, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1510, 0.2395, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 238, 255) }
```

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

```
.background{ background-color: rgb(117,  
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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