

Converting Colors

$Yxy(73.9445, 0.2486, 0.3092)$

Have a look what the booklet for
Yxy(73.9445, 0.2486, 0.3092)
contains.

Yxy(73.9445, 0.2486, 0.3092)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.9445, 0.2486, 0.3092)

Conversions

Conversions Part 1

Format	Color
Hex	8CEEFF
RGB	140, 238, 255
RGB Percent	55%, 93%, 100%
CMY	0.4506, 0.0667, 0.0000
CMYK	0.45, 0.07, 0.00, 0.00
HSL	189°, 100%, 77%
HSV	189°, 45%, 100%
XYZ	59.4521, 73.9445, 105.7512
YIQ	210.6360, -63.8650, -15.4890

Conversions

Conversions Part 2

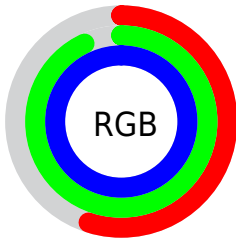
Format	Color
R_{YB}	140, 193, 255
Decimal	9236223
CIE _{Lab}	88.90, -24.53, -17.21
CIE _{LCh}	89, 29.964, 215.050
Yxy	73.9445, 0.2486, 0.3092
Android (android.graphics.Color)	4287426303 (0xFF8CEEFF)
YUV	210.6360, 21.8715, -61.9478
Hunter-Lab	85.9910, -27.0735, -12.7208

Details

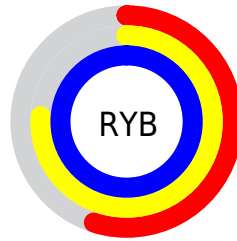
The Yxy color **73.9445, 0.2486, 0.3092** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.3075, 0.4260, 0.3471**, and the grayscale version is **64.7892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **39.2386, 0.2346, 0.3045** is the 20% darker color. If you saturate the color by 10%, you get **69.8054, 0.2376, 0.3041**, and if you desaturate by 10%, it is **78.6479, 0.2611, 0.3141**.

Distribution



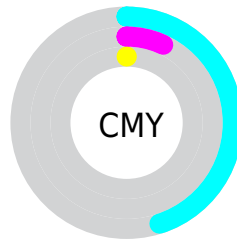
- Red (55%)
- Green (93%)
- Blue (100%)



- Red (55%)
- Yellow (76%)
- Blue (100%)



- Cyan (45%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (45%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9445, 0.2486, 0.3092 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 73.9445, 0.2486, 0.3092 by changing the saturation by 10% instead.


 73.9445, 0.2486,
0.3092

 73.9445, 0.2486,
0.3092


474.2818, 0.2774,
0.3190

 54.7486, 0.2422,
0.3068


 124.8171, 0.2584,
0.3127

 39.2005, 0.2345,
0.3038

 157.2627, 0.2623,
0.3141

 26.9157, 0.2249,
0.2999


194.8935, 0.2657,
0.3152

 17.5099, 0.2126,
0.2946

238.0941, 0.2686,
0.3162

 10.5987, 0.1966,
0.2872

287.2489, 0.2712,
0.3170

 5.7977, 0.1748,
0.2761

342.7421, 0.2735,

 2.7225, 0.1439,

0.3178

404.9583, 0.2756,
0.3184

0.2582

0.9886, 0.0787,
0.2307

0.0000, 0.0000,
0.0000

73.9445, 0.2486,
0.3092

73.9445, 0.2486,
0.3092

69.8054, 0.2376,
0.3041

78.6479, 0.2611,
0.3141

66.1870, 0.2284,
0.2988

83.9411, 0.2749,
0.3188

63.0510, 0.2212,
0.2935

89.8566, 0.2896,
0.3231

60.3498, 0.2159,
0.2882

96.4222, 0.3048,
0.3271

■ 58.0248, 0.2124,
0.2829

100.0000, 0.3127,
0.3290

■ 56.9737, 0.2112,
0.2803

Harmonies

Analogous

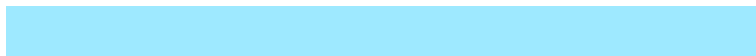
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.9445, 0.2660, 0.3435



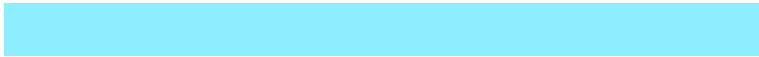
73.9445, 0.2486, 0.3092



73.9445, 0.2473, 0.2833

Triad

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



73.9445, 0.2486, 0.3092



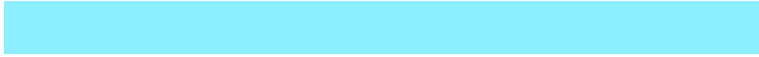
73.9445, 0.3267, 0.2885



73.9445, 0.3637, 0.3894

Complementary

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



73.9445, 0.2486, 0.3092



47.3075, 0.4260, 0.3471

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.



73.9445, 0.3823, 0.3703



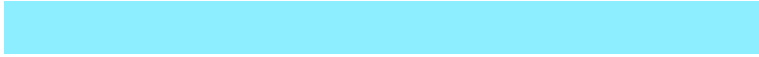
73.9445, 0.2486, 0.3092



73.9445, 0.3606, 0.3132

Square

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



73.9445, 0.2486, 0.3092



73.9445, 0.2907, 0.2734



73.9445, 0.3814, 0.3424



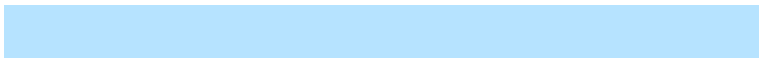
73.9445, 0.3319, 0.3923

Rectangle

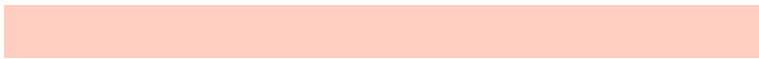
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.9445, 0.2486, 0.3092



73.9445, 0.2555, 0.2735



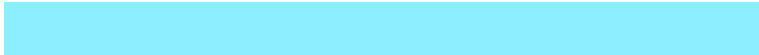
73.9445, 0.3814, 0.3424



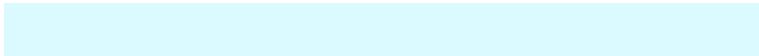
73.9445, 0.3718, 0.3845

Sweetspot

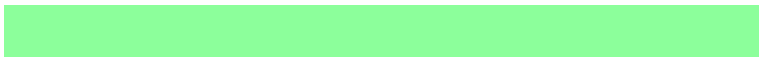
The Sweet Spot groups the original color and five complimentary colors.



73.9469, 0.2486, 0.3092



90.5207, 0.2911, 0.3236



79.4847, 0.2989, 0.4521



19.0872, 0.2879, 0.3227



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.



73.9469, 0.2486, 0.3092



70.2186, 0.2387, 0.3046



46.3540, 0.2364, 0.2400



19.9961, 0.2980, 0.3254



29.9443, 0.2115, 0.2812



3.0348, 0.2131, 0.2872

Inverse Universe

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



46.2176, 0.3326, 0.2327



40.0285, 0.3376, 0.2160



70.6793, 0.3980, 0.4033



18.2514, 0.3161, 0.3090



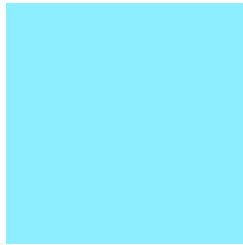
13.7509, 0.3624, 0.1770



1.3509, 0.3569, 0.1740

Previews

White Background



This preview shows how the Yxy color 73.9445, 0.2486, 0.3092 looks on a white background.

Color Contrast Check

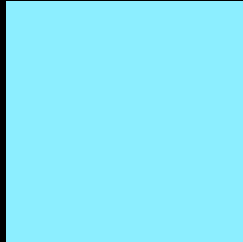
Large Text (above 18pt) WCAG AA × Fail

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 73.9445, 0.2486, 0.3092 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 73.9445, 0.2486, 0.3092

Background



This preview shows how black text looks on a background with the Yxy color 73.9445, 0.2486, 0.3092.

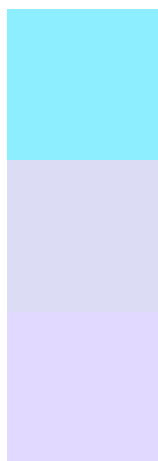


This preview shows how white text looks on a background with the Yxy color 73.9445, 0.2486, 0.3092.

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

73.9445, 0.2486, 0.3092

Protanopia

73.4602, 0.2973, 0.3046

Deuteranopia

72.8533, 0.2938, 0.2896



Tritanopia

73.9914, 0.2515, 0.3082

Trichromacy



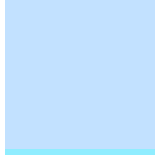
Original Color

73.9445, 0.2486, 0.3092



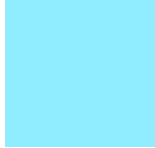
Protanomaly

72.7918, 0.2768, 0.3058



Deuteranomaly

72.5398, 0.2746, 0.2963



Tritanomaly

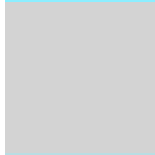
73.7177, 0.2501, 0.3081

Monochromacy



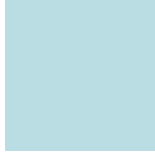
Original Color

73.9445, 0.2486, 0.3092



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

67.5732, 0.2846, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9445, 0.2486, 0.3092 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(140, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.9445, 0.2486, 0.3092 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(140, 238, 255) }
```

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

```
.border{ border-color:rgb(140, 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(140, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(140, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9445, 0.2486, 0.3092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 238, 255) }
```

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

```
.background{ background-color: rgb(140,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor