

Converting Colors

$Yxy(45.8162, 0.2114, 0.2455)$

Have a look what the booklet for
Yxy(45.8162, 0.2114, 0.2455)
contains.

Yxy(45.9374, 0.2114, 0.2459)	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(45.9374, 0.2114, 0.2459)

Conversions

Conversions Part 1

Format	Color
Hex	4ABFFF
RGB	74, 191, 255
RGB Percent	29%, 75%, 100%
CMY	0.7105, 0.2509, 0.0000
CMYK	0.71, 0.25, 0.00, 0.00
HSL	201°, 100%, 64%
HSV	201°, 71%, 100%
XYZ	39.4923, 45.9374, 101.3836
YIQ	163.3130, -90.2760, -4.9000

Conversions

Conversions Part 2

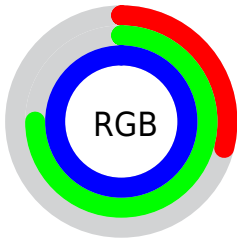
Format	Color
R_{YB}	74, 145, 255
Decimal	4898815
CIE _{Lab}	73.50, -12.69, -40.98
CIE _{LCh}	74, 42.901, 252.788
Yxy	45.9374, 0.2114, 0.2459
Android (android.graphics.Color)	4283088895 (0xFF4ABFFF)
YUV	163.3130, 45.2017, -78.3275
Hunter-Lab	67.7771, -14.6017, -41.2442

Details

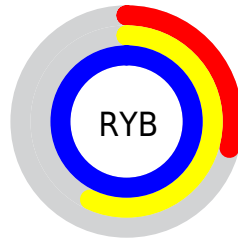
The Yxy color **45.9374, 0.2114, 0.2459** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **39.8660, 0.5011, 0.3877**, and the grayscale version is **36.5742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4923, 0.2513, 0.3197**, and **22.2542, 0.1963, 0.2265** is the 20% darker color. If you saturate the color by 10%, you get **41.3189, 0.2023, 0.2321**, and if you desaturate by 10%, it is **51.2100, 0.2225, 0.2596**.

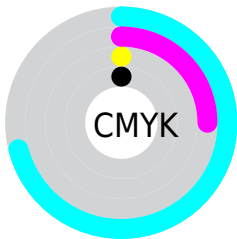
Distribution



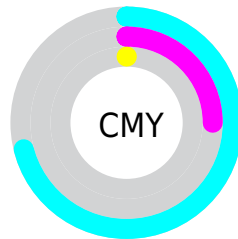
- Red (29%)
- Green (75%)
- Blue (100%)



- Red (29%)
- Yellow (57%)
- Blue (100%)



- Cyan (71%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9374, 0.2114, 0.2459 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 45.9374, 0.2114, 0.2459 by changing the saturation by 10% instead.

45.9374, 0.2114,
0.2459

45.9374, 0.2114,
0.2459

370.5569, 0.2595,
0.2869

32.1964, 0.2004,
0.2361

84.1253, 0.2282,
0.2605

21.5116, 0.1869,
0.2239

109.3410, 0.2347,
0.2661

13.4985, 0.1700,
0.2083

139.1504, 0.2403,
0.2708

7.7727, 0.1486,
0.1879

173.9380, 0.2451,
0.2749

3.9498, 0.1210,
0.1606

214.0880, 0.2494,
0.2785

1.6455, 0.0856,
0.1234

259.9849, 0.2531,

0.3880, 0.0097,

0.2817

0.0636

312.0131, 0.2565,
0.2844

■ 0.0000, 0.0000,
0.0000

■ 45.9374, 0.2114,
0.2459

■ 45.9374, 0.2114,
0.2459

■ 41.3189, 0.2023,
0.2321

■ 51.2100, 0.2225,
0.2596

■ 37.2923, 0.1954,
0.2185

■ 57.1802, 0.2353,
0.2729

■ 34.1142, 0.1907,
0.2066

■ 63.8924, 0.2493,
0.2857

■ 71.3849, 0.2643,
0.2977

■ 79.6930, 0.2798,
0.3088

■ 88.8494, 0.2955,
0.3189

■ 98.8848, 0.3111,
0.3281

■ 99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



45.9374, 0.2065, 0.2804



45.9374, 0.2114, 0.2459



45.9374, 0.2401, 0.2348

Triad

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



45.9374, 0.2114, 0.2459



45.9374, 0.4052, 0.3131



45.9374, 0.3265, 0.4348

Complementary

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



45.9374, 0.2114, 0.2459



39.8660, 0.5011, 0.3877

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.



45.9374, 0.3829, 0.4341



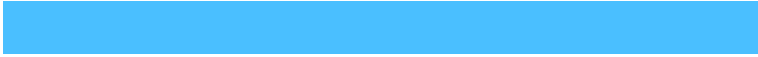
45.9374, 0.2114, 0.2459



45.9374, 0.4320, 0.3592

Square

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



45.9374, 0.2114, 0.2459



45.9374, 0.3509, 0.2727



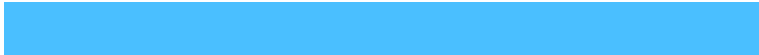
45.9374, 0.4226, 0.4034



45.9374, 0.2693, 0.3968

Rectangle

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



45.9374, 0.2114, 0.2459



45.9374, 0.2712, 0.2394



45.9374, 0.4226, 0.4034



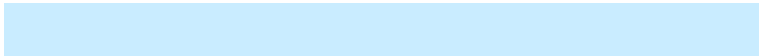
45.9374, 0.3462, 0.4388

Sweetspot

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



45.9390, 0.2114, 0.2459



79.7441, 0.2799, 0.3088



74.7749, 0.2802, 0.4862



16.5593, 0.2756, 0.3059



0.0000, 0.0000, 0.0000



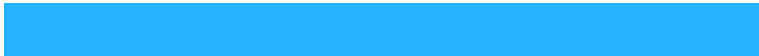
21.4041, 0.3127, 0.3290

Same Dimension

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



45.9390, 0.2114, 0.2459



39.6647, 0.1993, 0.2267



17.9743, 0.1820, 0.1282



19.3388, 0.2980, 0.3204



18.1186, 0.1913, 0.2088



1.9699, 0.1956, 0.2240

Inverse Universe

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



29.8940, 0.3925, 0.2210



25.8955, 0.4146, 0.2146



77.1347, 0.4254, 0.4677



18.1851, 0.3192, 0.3137



12.5570, 0.4355, 0.2172



1.2434, 0.4189, 0.2081

Previews

White Background



This preview shows how the Yxy color 45.9374, 0.2114, 0.2459 looks on a white background.

Color Contrast Check

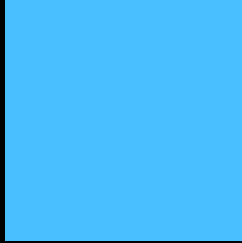
Large Text (above 18pt) WCAG AA × Fail

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 45.9374, 0.2114, 0.2459 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

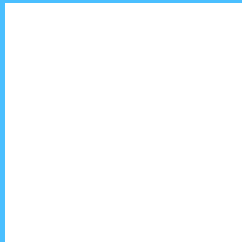
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9374, 0.2114, 0.2459

Background



This preview shows how black text looks on a background with the Yxy color 45.9374, 0.2114, 0.2459.

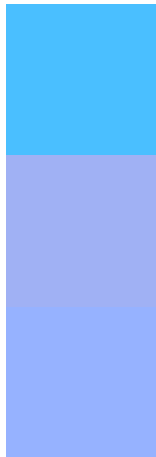


This preview shows how white text looks on a background with the Yxy color 45.9374, 0.2114, 0.2459.

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

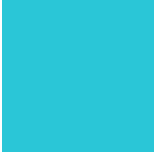
45.9374, 0.2114, 0.2459

Protanopia

45.4495, 0.2531, 0.2471

Deuteranopia

45.5448, 0.2411, 0.2359



Tritanopia

45.7867, 0.2219, 0.3041

Trichromacy



Original Color

45.9374, 0.2114, 0.2459

Protanomaly

44.9003, 0.2337, 0.2456

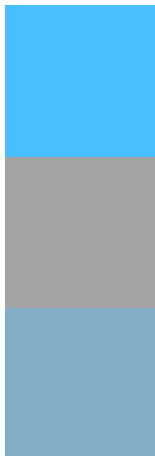
Deuteranomaly

45.2245, 0.2272, 0.2389

Tritanomaly

45.5277, 0.2172, 0.2799

Monochromacy



Original Color

45.9374, 0.2114, 0.2459

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.6980, 0.2619, 0.2957

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9374, 0.2114, 0.2459 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(74, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 191, 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(74, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 191, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.9374, 0.2114, 0.2459 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(74, 191, 255) }
```

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

```
.border{ border-color:rgb(74, 191, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 191,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9374, 0.2114, 0.2459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 191, 255) }
```

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

```
.background{ background-color: rgb(74, 191,  
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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