

Converting Colors

$Y_{xy}(75.3596, 0.2545, 0.3100)$

Have a look what the booklet for
Yxy(75.3596, 0.2545, 0.3100)
contains.

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Color

Yxy(75.1414, 0.2544, 0.3095)

Conversions

Conversions Part 1

Format	Color
Hex	99EEFF
RGB	153, 238, 255
RGB Percent	60%, 93%, 100%
CMY	0.4000, 0.0667, 0.0000
CMYK	0.40, 0.07, 0.00, 0.00
HSL	190°, 100%, 80%
HSV	190°, 40%, 100%
XYZ	61.7640, 75.1414, 105.8778
YIQ	214.5230, -56.1170, -12.7330

Conversions

Conversions Part 2

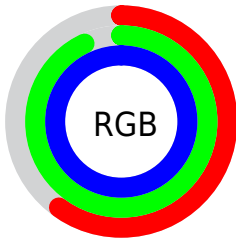
Format	Color
RYB	153, 199, 255
Decimal	10088191
CIELab	89.46, -21.48, -16.32
CIELCh	89, 26.978, 217.215
Yxy	75.1414, 0.2544, 0.3095
Android (android.graphics.Color)	4288278271 (0xFF99EEFF)
YUV	214.5230, 19.9552, -53.9557
Hunter-Lab	86.6841, -24.5127, -11.7391

Details

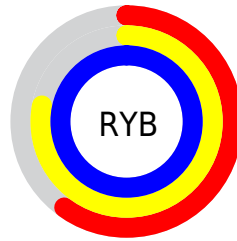
The Yxy color **75.1414, 0.2544, 0.3095** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.3085, 0.4073, 0.3472**, and the grayscale version is **67.5073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **40.0199, 0.2419, 0.3049** is the 20% darker color. If you saturate the color by 10%, you get **70.4754, 0.2424, 0.3038**, and if you desaturate by 10%, it is **80.3983, 0.2678, 0.3149**.

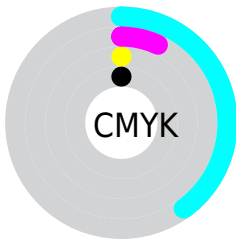
Distribution



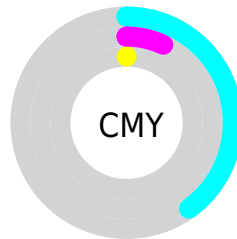
- Red (60%)
- Green (93%)
- Blue (100%)



- Red (60%)
- Yellow (78%)
- Blue (100%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.1414, 0.2544, 0.3095 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 75.1414, 0.2544, 0.3095 by changing the saturation by 10% instead.


 75.1414, 0.2544,
0.3095

 75.1414, 0.2544,
0.3095


478.4034, 0.2806,
0.3190

 55.7287, 0.2486,
0.3072

 126.5125, 0.2633,
0.3129

 39.9855, 0.2415,
0.3043


 159.2397, 0.2669,
0.3142

 27.5272, 0.2328,
0.3006


197.1739, 0.2699,
0.3153

 17.9696, 0.2216,
0.2957

240.6995, 0.2726,
0.3163

 10.9281, 0.2069,
0.2887

290.2009, 0.2750,
0.3171

 6.0185, 0.1868,
0.2785

346.0624, 0.2771,

 2.8564, 0.1581,

0.3178

0.2620

408.6684, 0.2789,
0.3185

■ 1.0572, 0.1047,
0.2350

■ 0.0000, 0.0000,
0.0000

■ 75.1414, 0.2544,
0.3095

■ 75.1414, 0.2544,
0.3095

■ 70.4754, 0.2424,
0.3038

■ 80.3983, 0.2678,
0.3149

■ 66.3623, 0.2321,
0.2979

■ 86.2741, 0.2821,
0.3200

■ 62.7648, 0.2235,
0.2919

■ 92.7989, 0.2972,
0.3247

■ 59.6390, 0.2170,
0.2858

99.9999, 0.3127,
0.3290

■ 56.9325, 0.2124,
0.2798

100.0000, 0.3127,
0.3290

■ 54.5600, 0.2094,
0.2739

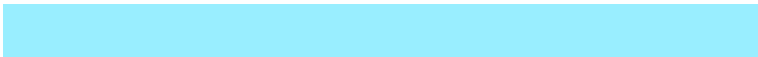
Harmonies

Analogous

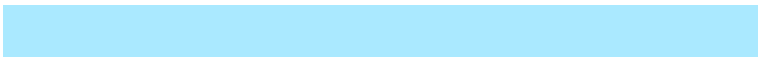
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.1414, 0.2692, 0.3398



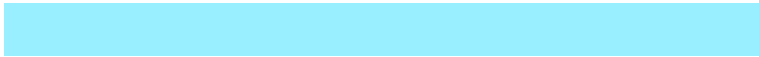
75.1414, 0.2544, 0.3095



75.1414, 0.2543, 0.2869

Triad

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



75.1414, 0.2544, 0.3095



75.1414, 0.3277, 0.2939



75.1414, 0.3568, 0.3839

Complementary

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



75.1414, 0.2544, 0.3095



52.3085, 0.4073, 0.3472

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.



75.1414, 0.3744, 0.3679



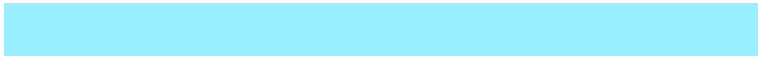
75.1414, 0.2544, 0.3095



75.1414, 0.3574, 0.3167

Square

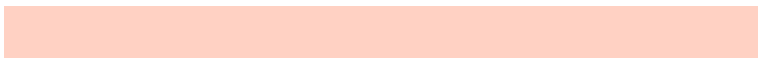
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1414, 0.2544, 0.3095



75.1414, 0.2952, 0.2794



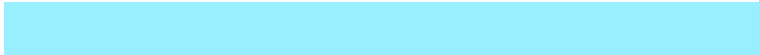
75.1414, 0.3748, 0.3433



75.1414, 0.3278, 0.3848

Rectangle

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



75.1414, 0.2544, 0.3095



75.1414, 0.2624, 0.2785



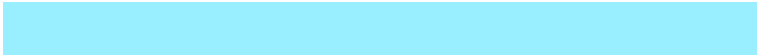
75.1414, 0.3748, 0.3433



75.1414, 0.3643, 0.3800

Sweetspot

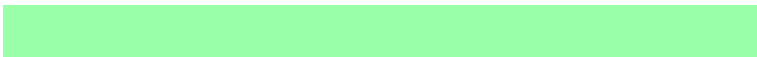
The Sweet Spot groups the original color and five complimentary colors.



75.1426, 0.2544, 0.3095



91.4408, 0.2942, 0.3238



81.1306, 0.2994, 0.4338



19.3853, 0.2922, 0.3232



0.0000, 0.0000, 0.0000



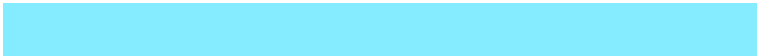
21.4041, 0.3127, 0.3290

Same Dimension

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



75.1426, 0.2544, 0.3095



71.3634, 0.2447, 0.3050



50.2585, 0.2450, 0.2497



19.9357, 0.2980, 0.3249



28.6994, 0.2097, 0.2749



2.9251, 0.2116, 0.2817

Inverse Universe

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



50.2156, 0.3316, 0.2446



43.9009, 0.3364, 0.2289



74.3796, 0.3862, 0.3968



18.2453, 0.3164, 0.3094



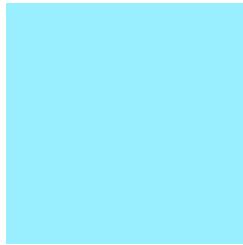
13.6252, 0.3682, 0.1802



1.3398, 0.3619, 0.1767

Previews

White Background



This preview shows how the Yxy color 75.1414, 0.2544, 0.3095 looks on a white background.

Color Contrast Check

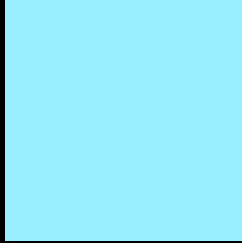
Large Text (above 18pt) WCAG AA × Fail

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 75.1414, 0.2544, 0.3095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

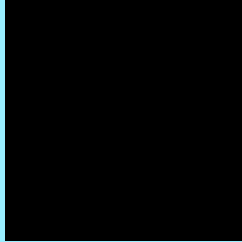
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.1414, 0.2544, 0.3095

Background



This preview shows how black text looks on a background with the Yxy color 75.1414, 0.2544, 0.3095.

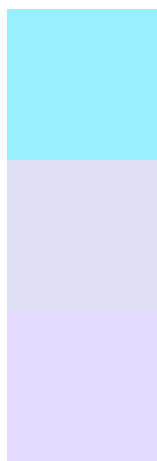


This preview shows how white text looks on a background with the Yxy color 75.1414, 0.2544, 0.3095.

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

75.1414, 0.2544, 0.3095

Protanopia

74.3647, 0.2981, 0.3048

Deuteranopia

74.3770, 0.2959, 0.2920



Tritanopia

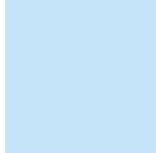
75.1593, 0.2571, 0.3085

Trichromacy



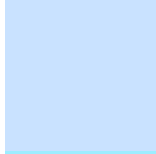
Original Color

75.1414, 0.2544, 0.3095



Protanomaly

74.1967, 0.2799, 0.3061



Deuteranomaly

74.0302, 0.2789, 0.2978



Tritanomaly

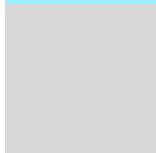
74.9565, 0.2561, 0.3085

Monochromacy



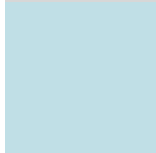
Original Color

75.1414, 0.2544, 0.3095



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

69.6950, 0.2874, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.1414, 0.2544, 0.3095 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(153, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.1414, 0.2544, 0.3095 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(153, 238, 255) }
```

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

```
.border{ border-color:rgb(153, 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(153, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.1414, 0.2544, 0.3095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 238, 255) }
```

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

```
.background{ background-color: rgb(153,  
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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