

Converting Colors

$Yxy(59.7828, 0.2417, 0.2778)$

Have a look what the booklet for
Yxy(59.7828, 0.2417, 0.2778)
contains.

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Color

Yxy(59.6253, 0.2415, 0.2774)

Conversions

Conversions Part 1

Format	Color
Hex	89D4FF
RGB	137, 212, 255
RGB Percent	54%, 83%, 100%
CMY	0.4629, 0.1686, 0.0000
CMYK	0.46, 0.17, 0.00, 0.00
HSL	202°, 100%, 77%
HSV	202°, 46%, 100%
XYZ	51.9088, 59.6253, 103.4093
YIQ	194.4770, -58.5030, -2.5270

Conversions

Conversions Part 2

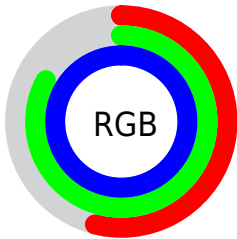
Format	Color
R _Y B	137, 183, 255
Decimal	9032959
CIE Lab	81.63, -12.14, -28.26
CIE LCh	82, 30.752, 246.755
Yxy	59.6253, 0.2415, 0.2774
Android (android.graphics.Color)	4287223039 (0xFF89D4FF)
YUV	194.4770, 29.8378, -50.4073
Hunter-Lab	77.2174, -15.1352, -25.3487

Details

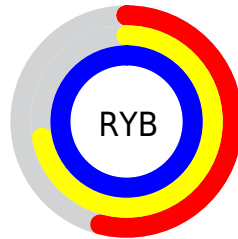
The Yxy color **59.6253, 0.2415, 0.2774** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **55.6886, 0.4169, 0.3740**, and the grayscale version is **54.0862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **29.8109, 0.2246, 0.2637** is the 20% darker color. If you saturate the color by 10%, you get **53.2086, 0.2279, 0.2639**, and if you desaturate by 10%, it is **66.8182, 0.2562, 0.2903**.

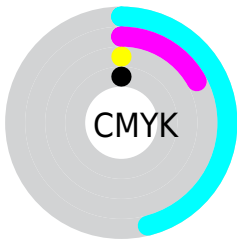
Distribution



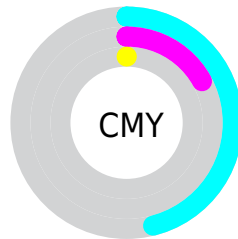
- Red (54%)
- Green (83%)
- Blue (100%)



- Red (54%)
- Yellow (72%)
- Blue (100%)



- Cyan (46%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.6253, 0.2415, 0.2774 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 59.6253, 0.2415, 0.2774 by changing the saturation by 10% instead.

 59.6253, 0.2415,
0.2774


 59.6253, 0.2415,
0.2774


423.2153, 0.2746,
0.3023

 43.1167, 0.2340,
0.2715


 104.2859, 0.2530,
0.2862

 29.9767, 0.2248,
0.2642


 133.2067, 0.2574,
0.2896

 19.8209, 0.2132,
0.2548


167.0337, 0.2613,
0.2925

 12.2649, 0.1983,
0.2424

206.1513, 0.2646,
0.2950

 6.9244, 0.1785,
0.2255

250.9438, 0.2676,
0.2971

 3.4148, 0.1513,
0.2011

301.7957, 0.2702,

 1.3520, 0.1130,

0.2991

0.1642

359.0914, 0.2725,
0.3008

0.1809, 0.0000,
0.0618

0.0000, 0.0000,
0.0000

59.6253, 0.2415,
0.2774

59.6253, 0.2415,
0.2774

53.2086, 0.2279,
0.2639

66.8182, 0.2562,
0.2903

47.5274, 0.2158,
0.2499

74.8245, 0.2716,
0.3022

42.5356, 0.2056,
0.2356

83.6787, 0.2873,
0.3132

38.1804, 0.1975,
0.2215

93.4127, 0.3030,
0.3232

■ 34.3966, 0.1915,
0.2076

100.0000, 0.3127,
0.3290

■ 33.1038, 0.1896,
0.2025

Harmonies

Analogous

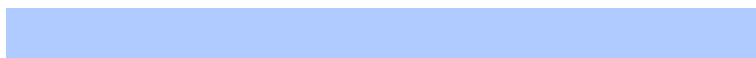
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.6253, 0.2418, 0.3049



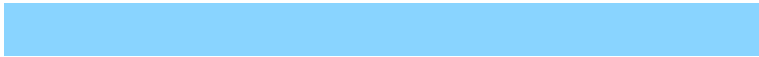
59.6253, 0.2415, 0.2774



59.6253, 0.2586, 0.2652

Triad

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



59.6253, 0.2415, 0.2774



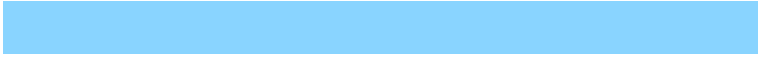
59.6253, 0.3673, 0.3132



59.6253, 0.3313, 0.3987

Complementary

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



59.6253, 0.2415, 0.2774



55.6886, 0.4169, 0.3740

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.



59.6253, 0.3670, 0.3963



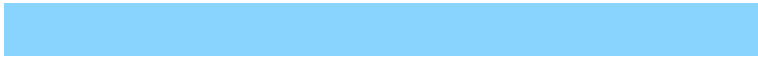
59.6253, 0.2415, 0.2774



59.6253, 0.3892, 0.3452

Square

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



59.6253, 0.2415, 0.2774



59.6253, 0.3303, 0.2860



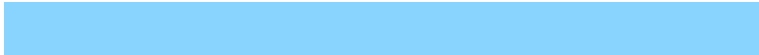
59.6253, 0.3888, 0.3756



59.6253, 0.2921, 0.3786

Rectangle

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



59.6253, 0.2415, 0.2774



59.6253, 0.2785, 0.2659



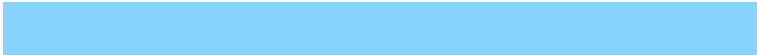
59.6253, 0.3888, 0.3756



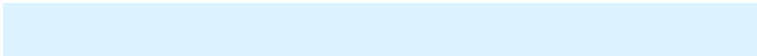
59.6253, 0.3442, 0.4003

Sweetspot

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



59.6253, 0.2415, 0.2774



85.8292, 0.2909, 0.3156



80.0603, 0.2863, 0.4235



17.9371, 0.2875, 0.3134



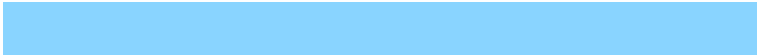
0.0000, 0.0000, 0.0000



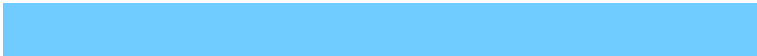
21.4041, 0.3127, 0.3290

Same Dimension

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



59.6253, 0.2415, 0.2774



53.3843, 0.2283, 0.2643



35.8666, 0.2283, 0.2046



19.3035, 0.2980, 0.3201



17.5916, 0.1902, 0.2048



1.9209, 0.1946, 0.2205

Inverse Universe

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



43.8937, 0.3578, 0.2531



37.2038, 0.3715, 0.2390



83.8037, 0.3889, 0.4281



18.1815, 0.3194, 0.3140



12.5038, 0.4399, 0.2197



1.2385, 0.4227, 0.2102

Previews

White Background



This preview shows how the Yxy color 59.6253, 0.2415, 0.2774 looks on a white background.

Color Contrast Check

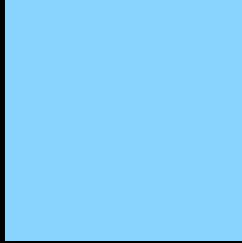
Large Text (above 18pt) WCAG AA × Fail

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 59.6253, 0.2415, 0.2774 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

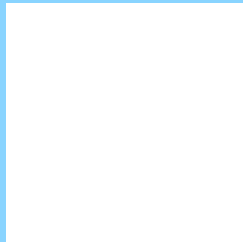
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.6253, 0.2415, 0.2774

Background



This preview shows how black text looks on a background with the Yxy color 59.6253, 0.2415, 0.2774.



This preview shows how white text looks on a background with the Yxy color 59.6253, 0.2415, 0.2774.

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

59.6253, 0.2415, 0.2774

Protanopia

59.1003, 0.2749, 0.2757

Deuteranopia

59.4043, 0.2714, 0.2667



Tritanopia

59.7408, 0.2495, 0.3075

Trichromacy



Original Color

59.6253, 0.2415, 0.2774

Protanomaly

58.7458, 0.2609, 0.2755

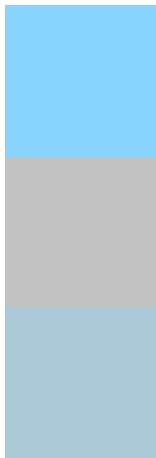
Deuteranomaly

59.2900, 0.2594, 0.2705

Tritanomaly

59.9383, 0.2468, 0.2968

Monochromacy



Original Color

59.6253, 0.2415, 0.2774

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

55.6154, 0.2819, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.6253, 0.2415, 0.2774 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(137, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 212, 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(137, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 212, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.6253, 0.2415, 0.2774 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(137, 212, 255) }
```

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

```
.border{ border-color:rgb(137, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 212,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.6253, 0.2415, 0.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 212, 255) }
```

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

```
.background{ background-color: rgb(137,  
212, 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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