

Converting Colors

$Yxy(51.1705, 0.2470, 0.2787)$

Have a look what the booklet for
Yxy(51.1705, 0.2470, 0.2787)
contains.

Yxy(51.3070, 0.2474, 0.2795)	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(51.3070, 0.2474, 0.2795)

Conversions

Conversions Part 1

Format	Color
Hex	89C5EC
RGB	137, 197, 236
RGB Percent	54%, 77%, 93%
CMY	0.4629, 0.2274, 0.0746
CMYK	0.42, 0.17, 0.00, 0.07
HSL	204°, 72%, 73%
HSV	204°, 42%, 93%
XYZ	45.4145, 51.3070, 86.8456
YIQ	183.5060, -48.2790, -0.5910

Conversions

Conversions Part 2

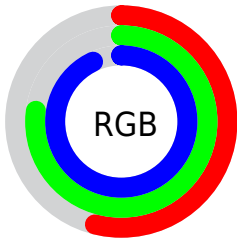
Format	Color
R _Y B	137, 174, 236
Decimal	9029100
CIE Lab	76.86, -9.39, -25.37
CIE LCh	77, 27.048, 249.691
Yxy	51.3070, 0.2474, 0.2795
Android (android.graphics.Color)	4287219180 (0xFF89C5EC)
YUV	183.5060, 25.8795, -40.7858
Hunter-Lab	71.6289, -12.1772, -21.7452

Details

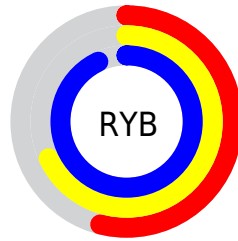
The Yxy color **51.3070, 0.2474, 0.2795** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **50.6521, 0.4021, 0.3730**, and the grayscale version is **47.5171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5730, 0.2772, 0.3278**, and **24.6895, 0.2308, 0.2656** is the 20% darker color. If you saturate the color by 10%, you get **45.4408, 0.2329, 0.2652**, and if you desaturate by 10%, it is **57.8729, 0.2627, 0.2930**.

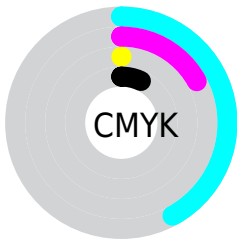
Distribution



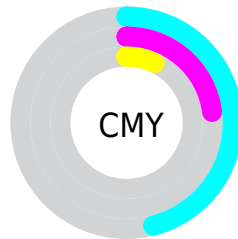
- Red (54%)
- Green (77%)
- Blue (93%)



- Red (54%)
- Yellow (68%)
- Blue (93%)



- Cyan (42%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (46%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3070, 0.2474, 0.2795 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 51.3070, 0.2474, 0.2795 by changing the saturation by 10% instead.

■ 51.3070, 0.2474,
0.2795

■ 51.3070, 0.2474,
0.2795

■ 391.7554, 0.2787,
0.3039

■ 36.4530, 0.2401,
0.2736

■ 92.1084, 0.2584,
0.2883

■ 24.7843, 0.2309,
0.2661

■ 118.8246, 0.2627,
0.2916

■ 15.9164, 0.2192,
0.2563

■ 150.2636, 0.2663,
0.2944

■ 9.4650, 0.2037,
0.2432

■ 186.8099, 0.2694,
0.2968

■ 5.0457, 0.1826,
0.2246

■ 228.8478, 0.2722,
0.2990

■ 2.2741, 0.1524,
0.1970

■ 276.7618, 0.2746,

■ 0.7600, 0.0995,

0.3008

0.1534

330.9362, 0.2768,
0.3025

0.0000, 0.0000,
0.0000

51.3070, 0.2474,
0.2795

51.3070, 0.2474,
0.2795

45.4408, 0.2329,
0.2652

57.8729, 0.2627,
0.2930

40.2349, 0.2198,
0.2502

65.1632, 0.2784,
0.3054

35.6545, 0.2082,
0.2348

73.2084, 0.2942,
0.3168

31.6576, 0.1987,
0.2195

82.0352, 0.3097,
0.3271

28.1947, 0.1914,
0.2043

91.6687, 0.3248,
0.3363

■ 25.7374, 0.1868,
0.1925

■ 97.3908, 0.3240,
0.3452

■ 98.8346, 0.3238,
0.3474

Harmonies

Analogous

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



51.3070, 0.2461, 0.3039



51.3070, 0.2474, 0.2795



51.3070, 0.2649, 0.2694

Triad

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



51.3070, 0.2474, 0.2795



51.3070, 0.3659, 0.3173



51.3070, 0.3266, 0.3922

Complementary

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



51.3070, 0.2474, 0.2795



50.6521, 0.4021, 0.3730

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.



51.3070, 0.3603, 0.3923



51.3070, 0.2474, 0.2795



51.3070, 0.3843, 0.3473

Square

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



51.3070, 0.2474, 0.2795



51.3070, 0.3327, 0.2911



51.3070, 0.3819, 0.3748



51.3070, 0.2904, 0.3718

Rectangle

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



51.3070, 0.2474, 0.2795



51.3070, 0.2842, 0.2709



51.3070, 0.3819, 0.3748



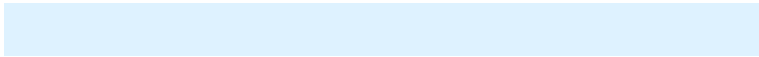
51.3070, 0.3386, 0.3945

Sweetspot

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



51.3090, 0.2474, 0.2795



86.2043, 0.2924, 0.3156



68.3826, 0.2866, 0.4080



17.9840, 0.2889, 0.3132



0.0000, 0.0000, 0.0000



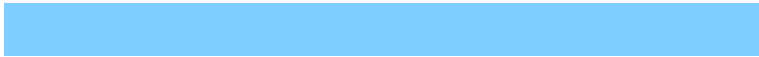
21.4041, 0.3127, 0.3290

Same Dimension

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



51.3090, 0.2474, 0.2795



55.3533, 0.2354, 0.2677



32.7102, 0.2367, 0.2144



16.0693, 0.2981, 0.3195



14.4498, 0.1875, 0.1949



1.3212, 0.1932, 0.2154

Inverse Universe

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



39.7402, 0.3549, 0.2631



40.9679, 0.3668, 0.2509



73.1719, 0.3800, 0.4221



15.2075, 0.3198, 0.3148



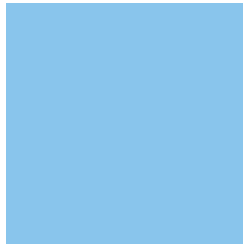
10.9515, 0.4511, 0.2259



0.8788, 0.4282, 0.2133

Previews

White Background



This preview shows how the Yxy color 51.3070, 0.2474, 0.2795 looks on a white background.

Color Contrast Check

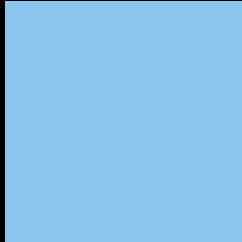
Large Text (above 18pt) WCAG AA × Fail

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 51.3070, 0.2474, 0.2795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

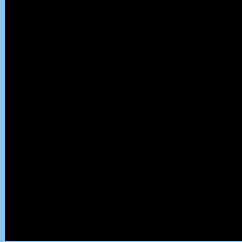
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

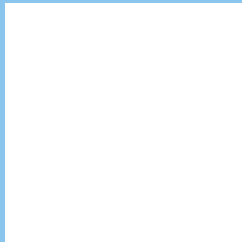
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.3070, 0.2474, 0.2795

Background



This preview shows how black text looks on a background with the Yxy color 51.3070, 0.2474, 0.2795.



This preview shows how white text looks on a background with the Yxy color 51.3070, 0.2474, 0.2795.

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

51.3070, 0.2474, 0.2795

Protanopia

50.9011, 0.2774, 0.2783

Deuteranopia

50.8161, 0.2729, 0.2663



Tritanopia

51.1720, 0.2559, 0.3076

Trichromacy



Original Color

51.3070, 0.2474, 0.2795

Protanomaly

50.9803, 0.2649, 0.2784

Deuteranomaly

50.6166, 0.2630, 0.2705

Tritanomaly

51.2429, 0.2530, 0.2975

Monochromacy



Original Color

51.3070, 0.2474, 0.2795

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.3377, 0.2852, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3070, 0.2474, 0.2795 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, 197, 236)` looks like.

```
.text, #text, p{  
    color:rgb(137, 197, 236)  
}
```

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, 197, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 197, 236) }
```

Border

The CSS property to change the border of an element to Yxy 51.3070, 0.2474, 0.2795 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, 197, 236) }
```

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

```
.border{ border-color:rgb(137, 197, 236) }
```

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

Here you see how a box with a 4 pixel rgb(137, 197, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 197, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 197, 236);  
box-shadow:4px 4px 4px 4px rgb(137, 197,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3070, 0.2474, 0.2795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 197, 236) }
```

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

```
.background{ background-color: rgb(137,  
197, 236) }
```

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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