

Converting Colors

$Y_{xy}(51.2766, 0.2616, 0.2871)$

Have a look what the booklet for
Yxy(51.2766, 0.2616, 0.2871)
contains.

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Color

Yxy(51.5017, 0.2614, 0.2874)

Conversions

Conversions Part 1

Format	Color
Hex	9AC3E4
RGB	154, 195, 228
RGB Percent	60%, 76%, 89%
CMY	0.3961, 0.2353, 0.1060
CMYK	0.32, 0.14, 0.00, 0.11
HSL	207°, 58%, 75%
HSV	207°, 32%, 89%
XYZ	46.8425, 51.5017, 80.8544
YIQ	186.5030, -35.0290, 1.5710

Conversions

Conversions Part 2

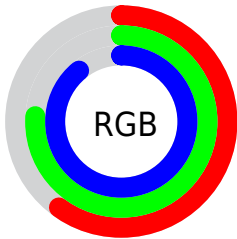
Format	Color
RYB	154, 180, 228
Decimal	10142692
CIELab	76.98, -5.84, -20.80
CIElCh	77, 21.601, 254.319
Yxy	51.5017, 0.2614, 0.2874
Android (android.graphics.Color)	4288332772 (0xFF9AC3E4)
YUV	186.5030, 20.4580, -28.5051
Hunter-Lab	71.7647, -9.0770, -16.5644

Details

The Yxy color **51.5017, 0.2614, 0.2874** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.3536, 0.3754, 0.3671**, and the grayscale version is **49.2981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5424, 0.2859, 0.3258**, and **24.7762, 0.2474, 0.2746** is the 20% darker color. If you saturate the color by 10%, you get **45.0752, 0.2456, 0.2720**, and if you desaturate by 10%, it is **58.6670, 0.2774, 0.3016**.

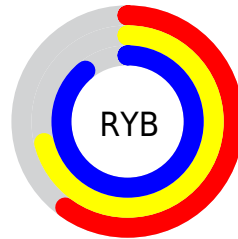
Distribution



Red (60%)

Green (76%)

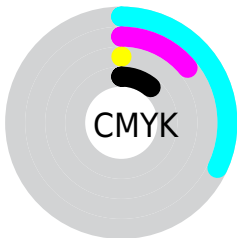
Blue (89%)



Red (60%)

Yellow (71%)

Blue (89%)

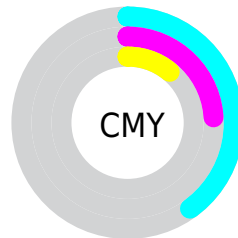


Cyan (32%)

Magenta (14%)

Yellow (0%)

Black (11%)



Cyan (40%)

Magenta (24%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5017, 0.2614, 0.2874 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 51.5017, 0.2614, 0.2874 by changing the saturation by 10% instead.

■ 51.5017, 0.2614,
0.2874

■ 51.5017, 0.2614,
0.2874

■ 392.5099, 0.2862,
0.3079

■ 36.6080, 0.2555,
0.2824

■ 92.3959, 0.2702,
0.2947

■ 24.9042, 0.2481,
0.2761

■ 119.1653, 0.2735,
0.2975

■ 16.0057, 0.2386,
0.2679

■ 150.6620, 0.2764,
0.2999

■ 9.5282, 0.2258,
0.2568

■ 187.2705, 0.2789,
0.3019

■ 5.0873, 0.2080,
0.2409

■ 229.3751, 0.2811,
0.3037

■ 2.2985, 0.1817,
0.2168

■ 277.3603, 0.2830,

■ 0.7729, 0.1356,

0.3053

0.1770

331.6104, 0.2847,
0.3066

0.0000, 0.0000,
0.0000

51.5017, 0.2614,
0.2874

51.5017, 0.2614,
0.2874

45.0752, 0.2456,
0.2720

58.6670, 0.2774,
0.3016

39.3511, 0.2306,
0.2556

66.5931, 0.2934,
0.3146

34.2986, 0.2167,
0.2385

75.3085, 0.3090,
0.3263

29.8815, 0.2045,
0.2210

84.8383, 0.3240,
0.3368

26.0588, 0.1943,
0.2035

92.6582, 0.3296,
0.3465

■ 22.7824, 0.1864,
0.1865

■ 98.3803, 0.3286,
0.3552

■ 20.6157, 0.1817,
0.1742

Harmonies

Analogous

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



51.5017, 0.2582, 0.3057



51.5017, 0.2614, 0.2874



51.5017, 0.2776, 0.2807

Triad

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



51.5017, 0.2614, 0.2874



51.5017, 0.3582, 0.3235



51.5017, 0.3196, 0.3773

Complementary

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



51.5017, 0.2614, 0.2874



54.3536, 0.3754, 0.3671

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.



51.5017, 0.3473, 0.3804



51.5017, 0.2614, 0.2874



51.5017, 0.3705, 0.3479

Square

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



51.5017, 0.2614, 0.2874



51.5017, 0.3334, 0.3013



51.5017, 0.3662, 0.3690



51.5017, 0.2909, 0.3592

Rectangle

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



51.5017, 0.2614, 0.2874



51.5017, 0.2942, 0.2830



51.5017, 0.3662, 0.3690



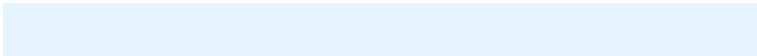
51.5017, 0.3294, 0.3801

Sweetspot

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



51.5037, 0.2614, 0.2874



88.4419, 0.2972, 0.3175



65.8931, 0.2896, 0.3822



18.6005, 0.2949, 0.3158



0.0000, 0.0000, 0.0000



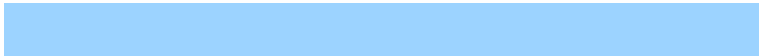
21.4041, 0.3127, 0.3290

Same Dimension

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



51.5037, 0.2614, 0.2874



60.6698, 0.2506, 0.2771



37.2442, 0.2555, 0.2396



15.2053, 0.2981, 0.3183



12.1469, 0.1824, 0.1767



1.0823, 0.1891, 0.2009

Inverse Universe

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



43.5430, 0.3464, 0.2824



49.5730, 0.3561, 0.2725



71.6242, 0.3631, 0.4050



14.5011, 0.3206, 0.3160



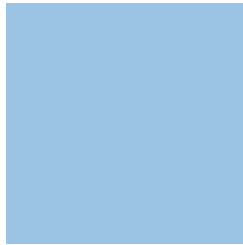
10.4239, 0.4725, 0.2377



0.7889, 0.4443, 0.2221

Previews

White Background



This preview shows how the Yxy color 51.5017, 0.2614, 0.2874 looks on a white background.

Color Contrast Check

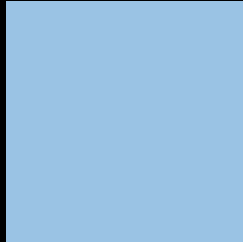
Large Text (above 18pt) WCAG AA × Fail

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 51.5017, 0.2614, 0.2874 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

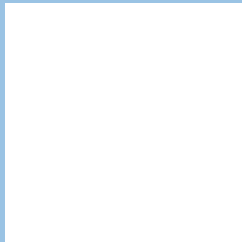
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.5017, 0.2614, 0.2874

Background



This preview shows how black text looks on a background with the Yxy color 51.5017, 0.2614, 0.2874.



This preview shows how white text looks on a background with the Yxy color 51.5017, 0.2614, 0.2874.

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

51.5017, 0.2614, 0.2874

Protanopia

51.3614, 0.2836, 0.2866

Deuteranopia

51.1025, 0.2824, 0.2756



Tritanopia

51.3159, 0.2686, 0.3081

Trichromacy



Original Color

51.5017, 0.2614, 0.2874

Protanomaly

51.4685, 0.2746, 0.2871

Deuteranomaly

51.2824, 0.2747, 0.2804

Tritanomaly

51.2172, 0.2661, 0.3006

Monochromacy



Original Color

51.5017, 0.2614, 0.2874

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

50.2051, 0.2921, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5017, 0.2614, 0.2874 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(154, 195, 228)` looks like.

```
.text, #text, p{  
    color:rgb(154, 195, 228)  
}
```

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(154, 195, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 195, 228) }
```

Border

The CSS property to change the border of an element to Yxy 51.5017, 0.2614, 0.2874 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(154, 195, 228) }
```

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

```
.border{ border-color:rgb(154, 195, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 195, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(154, 195, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(154, 195, 228); box-shadow:4px 4px 4px 4px rgb(154, 195, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5017, 0.2614, 0.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 195, 228) }
```

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

```
.background{ background-color: rgb(154,  
195, 228) }
```

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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