

Converting Colors

Yxy(51.5454, 0.2678, 0.2868)

Have a look what the booklet for
Yxy(51.5454, 0.2678, 0.2868)
contains.

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Color

Yxy(51.4725, 0.2675, 0.2866)

Conversions

Conversions Part 1

Format	Color
Hex	A3C1E3
RGB	163, 193, 227
RGB Percent	64%, 76%, 89%
CMY	0.3607, 0.2431, 0.1098
CMYK	0.28, 0.15, 0.00, 0.11
HSL	212°, 53%, 76%
HSV	212°, 28%, 89%
XYZ	48.0422, 51.4725, 80.0823
YIQ	187.9060, -28.7940, 4.2140

Conversions

Conversions Part 2

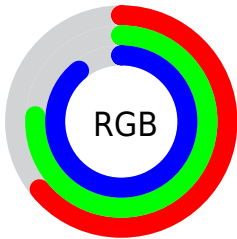
Format	Color
R_{YB}	163, 183, 227
Decimal	10732003
CIE _{Lab}	76.96, -2.42, -20.25
CIE _{LCh}	77, 20.393, 263.186
Yxy	51.4725, 0.2675, 0.2866
Android (android.graphics.Color)	4288922083 (0xFFA3C1E3)
YUV	187.9060, 19.2733, -21.8426
Hunter-Lab	71.7443, -6.0235, -15.9595

Details

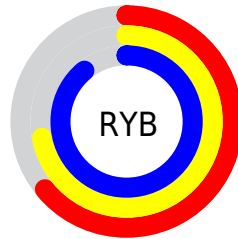
The Yxy color **51.4725, 0.2675, 0.2866** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.9215, 0.3638, 0.3679**, and the grayscale version is **50.1368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0314, 0.2909, 0.3228**, and **25.0497, 0.2557, 0.2754** is the 20% darker color. If you saturate the color by 10%, you get **44.1708, 0.2508, 0.2686**, and if you desaturate by 10%, it is **59.6436, 0.2840, 0.3031**.

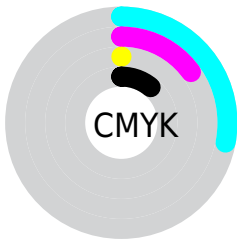
Distribution



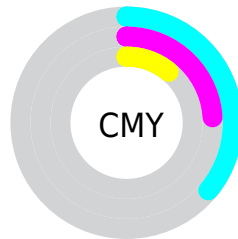
- Red (64%)
- Green (76%)
- Blue (89%)



- Red (64%)
- Yellow (72%)
- Blue (89%)



- Cyan (28%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)



- Cyan (36%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4725, 0.2675, 0.2866 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 51.4725, 0.2675, 0.2866 by changing the saturation by 10% instead.

■ 51.4725, 0.2675,
0.2866

■ 51.4725, 0.2675,
0.2866

■ 392.3968, 0.2894,
0.3073

■ 36.5848, 0.2623,
0.2816

■ 92.3528, 0.2753,
0.2940

■ 24.8862, 0.2557,
0.2753

■ 119.1142, 0.2783,
0.2968

■ 15.9923, 0.2471,
0.2671

■ 150.6023, 0.2808,
0.2992

■ 9.5187, 0.2357,
0.2560

■ 187.2015, 0.2830,
0.3013

■ 5.0810, 0.2195,
0.2403

■ 229.2961, 0.2849,
0.3031

■ 2.2949, 0.1954,
0.2165

■ 277.2706, 0.2866,

■ 0.7710, 0.1545,

0.3047

0.1768

331.5094, 0.2881,
0.3061

0.0000, 0.0000,
0.0000

51.4725, 0.2675,
0.2866

51.4725, 0.2675,
0.2866

44.1708, 0.2508,
0.2686

59.6436, 0.2840,
0.3031

37.6989, 0.2344,
0.2493

68.7092, 0.3001,
0.3180

32.0232, 0.2188,
0.2289

78.7009, 0.3154,
0.3313

27.1043, 0.2045,
0.2081

89.6468, 0.3299,
0.3431

22.8991, 0.1922,
0.1873

97.2609, 0.3293,
0.3546

■ 19.3577, 0.1823,
0.1672

■ 98.3266, 0.3292,
0.3562

■ 16.4142, 0.1749,
0.1484

■ 15.9299, 0.1737,
0.1452

Harmonies

Analogous

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



51.4725, 0.2607, 0.3010



51.4725, 0.2675, 0.2866



51.4725, 0.2861, 0.2836

Triad

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



51.4725, 0.2675, 0.2866



51.4725, 0.3606, 0.3307



51.4725, 0.3110, 0.3707

Complementary

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



51.4725, 0.2675, 0.2866



58.9215, 0.3638, 0.3679

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.



51.4725, 0.3383, 0.3782



51.4725, 0.2675, 0.2866



51.4725, 0.3677, 0.3535

Square

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



51.4725, 0.2675, 0.2866



51.4725, 0.3400, 0.3086



51.4725, 0.3593, 0.3712



51.4725, 0.2851, 0.3504

Rectangle

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



51.4725, 0.2675, 0.2866



51.4725, 0.3032, 0.2878



51.4725, 0.3593, 0.3712



51.4725, 0.3204, 0.3749

Sweetspot

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



51.4745, 0.2675, 0.2866



89.6108, 0.3003, 0.3182



66.7208, 0.2893, 0.3673



18.7810, 0.2979, 0.3160



0.0000, 0.0000, 0.0000



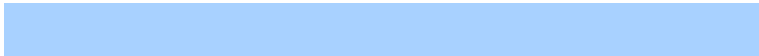
21.4041, 0.3127, 0.3290

Same Dimension

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



51.4745, 0.2675, 0.2866



61.1409, 0.2574, 0.2759



39.6478, 0.2643, 0.2477



14.9950, 0.2981, 0.3162



9.5186, 0.1744, 0.1479



0.8880, 0.1820, 0.1753

Inverse Universe

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



46.3826, 0.3458, 0.2948



53.9758, 0.3554, 0.2872



73.7480, 0.3544, 0.3995



14.4798, 0.3219, 0.3180



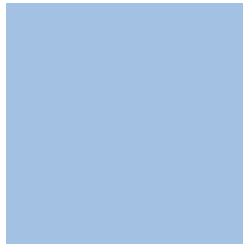
10.1586, 0.5087, 0.2576



0.7693, 0.4742, 0.2386

Previews

White Background



This preview shows how the Yxy color 51.4725, 0.2675, 0.2866 looks on a white background.

Color Contrast Check

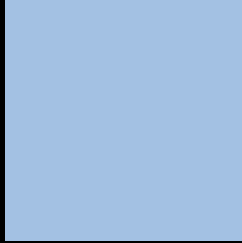
Large Text (above 18pt) WCAG AA × Fail

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 51.4725, 0.2675, 0.2866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

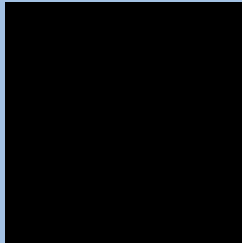
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

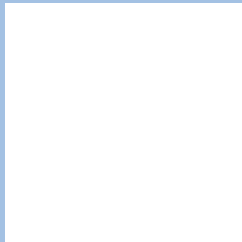
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.4725, 0.2675, 0.2866

Background



This preview shows how black text looks on a background with the Yxy color 51.4725, 0.2675, 0.2866.



This preview shows how white text looks on a background with the Yxy color 51.4725, 0.2675, 0.2866.

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

51.4725, 0.2675, 0.2866

Protanopia

51.4155, 0.2829, 0.2854

Deuteranopia

51.1739, 0.2838, 0.2768



Tritanopia

51.6566, 0.2757, 0.3096

Trichromacy



Original Color

51.4725, 0.2675, 0.2866

Protanomaly

51.4933, 0.2774, 0.2862

Deuteranomaly

51.2712, 0.2781, 0.2806

Tritanomaly

51.6170, 0.2725, 0.3010

Monochromacy



Original Color

51.4725, 0.2675, 0.2866

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

50.6749, 0.2952, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4725, 0.2675, 0.2866 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(163, 193, 227)` looks like.

```
.text, #text, p{  
    color:rgb(163, 193, 227)  
}
```

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(163, 193, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 193, 227) }
```

Border

The CSS property to change the border of an element to Yxy 51.4725, 0.2675, 0.2866 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(163, 193, 227) }
```

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

```
.border{ border-color:rgb(163, 193, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 193, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 193, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 193, 227);  
box-shadow:4px 4px 4px 4px rgb(163, 193,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4725, 0.2675, 0.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 193, 227) }
```

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

```
.background{ background-color: rgb(163,  
193, 227) }
```

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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