

Converting Colors

Yxy(52.7404, 0.2637, 0.2768)

Have a look what the booklet for
Yxy(52.7404, 0.2637, 0.2768)
contains.

Yxy(52.8050, 0.2637, 0.2768)	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(52.8050, 0.2637, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	A6C2ED
RGB	166, 194, 237
RGB Percent	65%, 76%, 93%
CMY	0.3489, 0.2392, 0.0706
CMYK	0.30, 0.18, 0.00, 0.07
HSL	216°, 66%, 79%
HSV	216°, 30%, 93%
XYZ	50.3059, 52.8050, 87.6586
YIQ	190.5300, -30.4910, 7.4370

Conversions

Conversions Part 2

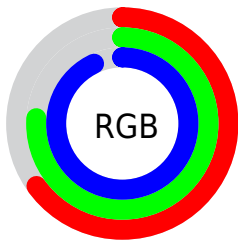
Format	Color
R _Y B	166, 186, 237
Decimal	10928877
CIE _{Lab}	77.76, 0.31, -24.40
CIE _{LCh}	78, 24.402, 270.733
Y _{xy}	52.8050, 0.2637, 0.2768
Android (android.graphics.Color)	4289118957 (0xFFA6C2ED)
YUV	190.5300, 22.9097, -21.5128
Hunter-Lab	72.6670, -3.5954, -20.6549

Details

The Yxy color **52.8050, 0.2637, 0.2768** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.3673, 0.3661, 0.3761**, and the grayscale version is **51.6954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1208, 0.2927, 0.3239**, and **25.8307, 0.2510, 0.2642** is the 20% darker color. If you saturate the color by 10%, you get **44.3920, 0.2463, 0.2558**, and if you desaturate by 10%, it is **62.3115, 0.2808, 0.2961**.

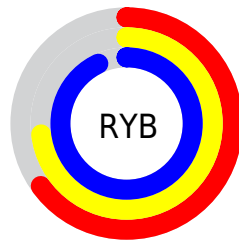
Distribution



Red (65%)

Green (76%)

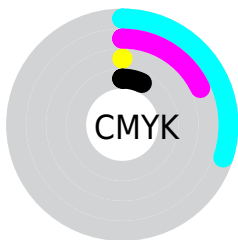
Blue (93%)



Red (65%)

Yellow (73%)

Blue (93%)

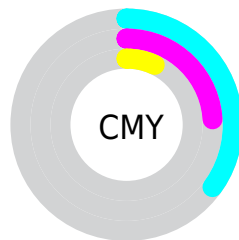


Cyan (30%)

Magenta (18%)

Yellow (0%)

Black (7%)



Cyan (35%)

Magenta (24%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8050, 0.2637, 0.2768 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 52.8050, 0.2637, 0.2768 by changing the saturation by 10% instead.

■ 52.8050, 0.2637,
0.2768

■ 52.8050, 0.2637,
0.2768

■ 397.5365, 0.2873,
0.3019

■ 37.6471, 0.2581,
0.2708

■ 94.3174, 0.2721,
0.2857

■ 25.7089, 0.2511,
0.2634

■ 121.4406, 0.2753,
0.2891

■ 16.6060, 0.2420,
0.2538

■ 153.3212, 0.2780,
0.2920

■ 9.9540, 0.2300,
0.2410

■ 190.3434, 0.2804,
0.2946

■ 5.3685, 0.2133,
0.2233

■ 232.8916, 0.2825,
0.2968

■ 2.4650, 0.1887,
0.1973

■ 281.3503, 0.2843,

■ 0.8590, 0.1503,

0.2987

0.1566

336.1038, 0.2859,
0.3004

0.0000, 0.0000,
0.0000

52.8050, 0.2637,
0.2768

52.8050, 0.2637,
0.2768

44.3920, 0.2463,
0.2558

62.3115, 0.2808,
0.2961

37.0230, 0.2290,
0.2333

72.9460, 0.2973,
0.3135

30.6533, 0.2125,
0.2098

84.7490, 0.3128,
0.3291

25.2321, 0.1975,
0.1861

96.6365, 0.3235,
0.3430

20.7030, 0.1847,
0.1630

98.8943, 0.3232,
0.3464

■ 17.0015, 0.1746,
0.1413

■ 14.0320, 0.1672,
0.1219

■ 14.0181, 0.1672,
0.1218

Harmonies

Analogous

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



52.8050, 0.2520, 0.2901



52.8050, 0.2637, 0.2768



52.8050, 0.2883, 0.2769

Triad

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



52.8050, 0.2637, 0.2768



52.8050, 0.3735, 0.3376



52.8050, 0.3023, 0.3741

Complementary

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



52.8050, 0.2637, 0.2768



66.3673, 0.3661, 0.3761

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.



52.8050, 0.3350, 0.3872



52.8050, 0.2637, 0.2768



52.8050, 0.3771, 0.3636

Square

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



52.8050, 0.2637, 0.2768



52.8050, 0.3524, 0.3110



52.8050, 0.3627, 0.3824



52.8050, 0.2734, 0.3468

Rectangle

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



52.8050, 0.2637, 0.2768



52.8050, 0.3095, 0.2839



52.8050, 0.3627, 0.3824



52.8050, 0.3132, 0.3804

Sweetspot

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



52.8071, 0.2637, 0.2768



87.3523, 0.2987, 0.3150



73.2598, 0.2846, 0.3628



18.2822, 0.2964, 0.3126



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.



52.8071, 0.2637, 0.2768



56.0536, 0.2529, 0.2640



42.2918, 0.2649, 0.2426



15.5231, 0.2980, 0.3143



7.8922, 0.1680, 0.1248



0.8025, 0.1757, 0.1523

Inverse Universe

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



49.1789, 0.3535, 0.2982



51.6671, 0.3652, 0.2915



80.1269, 0.3528, 0.4052



15.1524, 0.3231, 0.3197



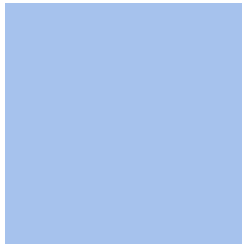
10.2895, 0.5398, 0.2747



0.8264, 0.5029, 0.2544

Previews

White Background



This preview shows how the Yxy color 52.8050, 0.2637, 0.2768 looks on a white background.

Color Contrast Check

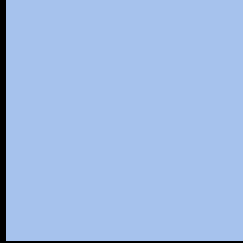
Large Text (above 18pt) WCAG AA × Fail

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 52.8050, 0.2637, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

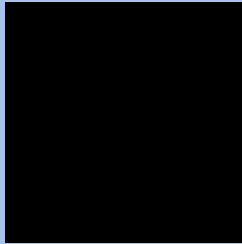
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

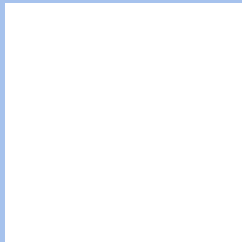
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.8050, 0.2637, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 52.8050, 0.2637, 0.2768.



This preview shows how white text looks on a background with the Yxy color 52.8050, 0.2637, 0.2768.

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

52.8050, 0.2637, 0.2768

Protanopia

52.7125, 0.2759, 0.2767

Deuteranopia

52.7043, 0.2767, 0.2705



Tritanopia

52.8203, 0.2747, 0.3086

Trichromacy



Original Color

52.8050, 0.2637, 0.2768

Protanomaly

52.4899, 0.2712, 0.2762

Deuteranomaly

52.5837, 0.2713, 0.2720

Tritanomaly

52.9930, 0.2710, 0.2976

Monochromacy



Original Color

52.8050, 0.2637, 0.2768

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

52.1984, 0.2933, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8050, 0.2637, 0.2768 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(166, 194, 237)` looks like.

```
.text, #text, p{  
    color:rgb(166, 194, 237)  
}
```

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(166, 194, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 194, 237) }
```

Border

The CSS property to change the border of an element to Yxy 52.8050, 0.2637, 0.2768 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(166, 194, 237) }
```

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

```
.border{ border-color:rgb(166, 194, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 194, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 194, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 194, 237);  
box-shadow:4px 4px 4px 4px rgb(166, 194,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8050, 0.2637, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 194, 237) }
```

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

```
.background{ background-color: rgb(166,  
194, 237) }
```

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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