

Converting Colors

$Y_{xy}(47.5298, 0.2104, 0.2532)$

Have a look what the booklet for
Yxy(47.5298, 0.2104, 0.2532)
contains.

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Color

Yxy(47.6277, 0.2103, 0.2533)

Conversions

Conversions Part 1

Format	Color
Hex	3DC4FE
RGB	61, 196, 254
RGB Percent	24%, 77%, 100%
CMY	0.7615, 0.2313, 0.0040
CMYK	0.76, 0.23, 0.00, 0.00
HSL	198°, 99%, 62%
HSV	198°, 76%, 100%
XYZ	39.5425, 47.6277, 100.8587
YIQ	162.2470, -99.0780, -10.5820

Conversions

Conversions Part 2

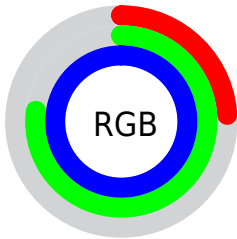
Format	Color
RYB	61, 140, 254
Decimal	4048126
CIELab	74.59, -17.21, -38.77
CIELCh	75, 42.421, 246.063
Yxy	47.6277, 0.2103, 0.2533
Android (android.graphics.Color)	4282238206 (0xFF3DC4FE)
YUV	162.2470, 45.2342, -88.7936
Hunter-Lab	69.0128, -18.4968, -38.3403

Details

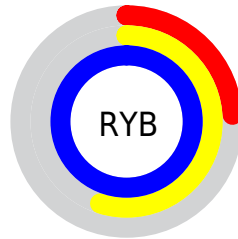
The Yxy color **47.6277, 0.2103, 0.2533** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **34.5448, 0.5286, 0.3782**, and the grayscale version is **36.0497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5389, 0.2493, 0.3265**, and **23.3772, 0.1987, 0.2351** is the 20% darker color. If you saturate the color by 10%, you get **43.6558, 0.2030, 0.2418**, and if you desaturate by 10%, it is **52.1583, 0.2196, 0.2648**.

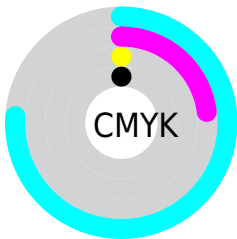
Distribution



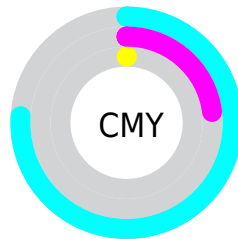
- Red (24%)
- Green (77%)
- Blue (100%)



- Red (24%)
- Yellow (55%)
- Blue (100%)



- Cyan (76%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)




- Cyan (76%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6277, 0.2103, 0.2533 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 47.6277, 0.2103, 0.2533 by changing the saturation by 10% instead.

 47.6277, 0.2103,
0.2533

 47.6277, 0.2103,
0.2533


377.3145, 0.2586,
0.2909


 33.5322, 0.1993,
0.2442


 86.6498, 0.2271,
0.2668


 22.5344, 0.1859,
0.2329


 112.3452, 0.2336,
0.2719

 14.2501, 0.1691,
0.2183


 142.6760, 0.2392,
0.2763

 8.2948, 0.1478,
0.1990

 178.0265, 0.2441,
0.2800

 4.2842, 0.1205,
0.1729

218.7813, 0.2484,
0.2833

 1.8338, 0.0854,
0.1367

265.3246, 0.2522,

 0.5081, 0.0102,

0.2862

0.0827

318.0409, 0.2556,
0.2887

■ 0.0000, 0.0000,
0.0000

■ 47.6277, 0.2103,
0.2533

■ 47.6277, 0.2103,
0.2533

■ 43.6558, 0.2030,
0.2418

■ 52.1583, 0.2196,
0.2648

■ 40.1760, 0.1978,
0.2304

■ 57.2929, 0.2308,
0.2762

■ 38.9030, 0.1961,
0.2260

■ 63.0763, 0.2436,
0.2871

■ 69.5469, 0.2576,
0.2975

■ 76.7394, 0.2724,
0.3073

■ 84.6861, 0.2878,
0.3162

■ 93.4167, 0.3033,
0.3244

99.9346, 0.3133,
0.3300

Harmonies

Analogous

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



47.6277, 0.2109, 0.2924



47.6277, 0.2103, 0.2533



47.6277, 0.2334, 0.2373

Triad

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



47.6277, 0.2103, 0.2533



47.6277, 0.3929, 0.3039



47.6277, 0.3393, 0.4353

Complementary

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



47.6277, 0.2103, 0.2533



34.5448, 0.5286, 0.3782

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.



47.6277, 0.3921, 0.4271



47.6277, 0.2103, 0.2533



47.6277, 0.4264, 0.3485

Square

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



47.6277, 0.2103, 0.2533



47.6277, 0.3365, 0.2665



47.6277, 0.4252, 0.3930



47.6277, 0.2821, 0.4062

Rectangle

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



47.6277, 0.2103, 0.2533



47.6277, 0.2609, 0.2387



47.6277, 0.4252, 0.3930



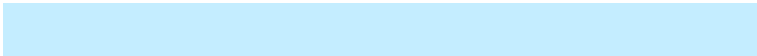
47.6277, 0.3582, 0.4364

Sweetspot

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



47.6294, 0.2103, 0.2533



79.8033, 0.2771, 0.3101



73.1849, 0.2840, 0.5110



16.4835, 0.2716, 0.3067



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.



47.6294, 0.2103, 0.2533



42.2533, 0.2002, 0.2361



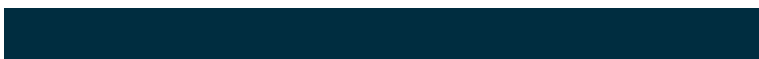
17.1509, 0.1771, 0.1250



19.5070, 0.2980, 0.3217



20.7842, 0.1966, 0.2278



2.2152, 0.2002, 0.2408

Inverse Universe

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



28.3722, 0.3865, 0.2089



25.3891, 0.4057, 0.2046



70.1816, 0.4385, 0.4656



18.2020, 0.3184, 0.3125



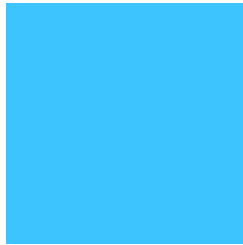
12.8261, 0.4149, 0.2059



1.2682, 0.4015, 0.1986

Previews

White Background



This preview shows how the Yxy color 47.6277, 0.2103, 0.2533 looks on a white background.

Color Contrast Check

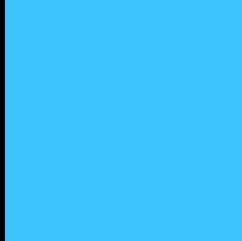
Large Text (above 18pt) WCAG AA × Fail

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 47.6277, 0.2103, 0.2533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

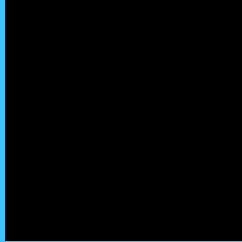
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

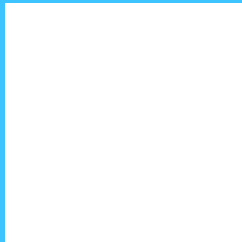
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6277, 0.2103, 0.2533

Background



This preview shows how black text looks on a background with the Yxy color 47.6277, 0.2103, 0.2533.

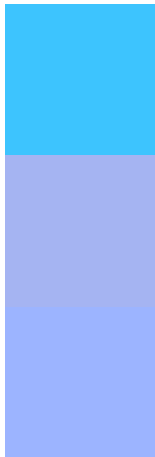


This preview shows how white text looks on a background with the Yxy color 47.6277, 0.2103, 0.2533.

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

47.6277, 0.2103, 0.2533

Protanopia

47.0527, 0.2581, 0.2537

Deuteranopia

46.9304, 0.2451, 0.2393



Tritanopia

47.4657, 0.2188, 0.3043

Trichromacy



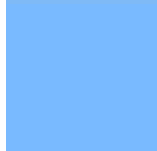
Original Color

47.6277, 0.2103, 0.2533



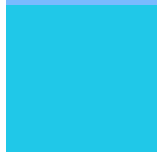
Protanomaly

46.2837, 0.2346, 0.2528



Deuteranomaly

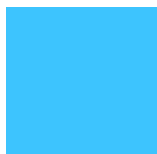
46.4028, 0.2275, 0.2427



Tritanomaly

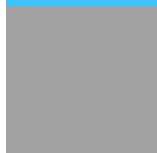
47.4418, 0.2146, 0.2843

Monochromacy



Original Color

47.6277, 0.2103, 0.2533



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

38.5722, 0.2586, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6277, 0.2103, 0.2533 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(61, 196, 254)` looks like.

```
.text, #text, p{  
    color:rgb(61, 196, 254)  
}
```

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(61, 196, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 196, 254) }
```

Border

The CSS property to change the border of an element to Yxy 47.6277, 0.2103, 0.2533 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(61, 196, 254) }
```

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

```
.border{ border-color:rgb(61, 196, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 196, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 196, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 196, 254);  
box-shadow:4px 4px 4px 4px rgb(61, 196,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6277, 0.2103, 0.2533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 196, 254) }
```

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

```
.background{ background-color: rgb(61, 196,  
254) }
```

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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