

Converting Colors

$Y_{xy}(47.8963, 0.1867, 0.1825)$

Have a look what the booklet for
Yxy(47.8963, 0.1867, 0.1825)
contains.

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Color

Yxy(42.8957, 0.2032, 0.2376)

Conversions

Conversions Part 1

Format	Color
Hex	2DBAFF
RGB	45, 186, 255
RGB Percent	18%, 73%, 100%
CMY	0.8242, 0.2705, 0.0000
CMYK	0.82, 0.27, 0.00, 0.00
HSL	200°, 100%, 59%
HSV	200°, 82%, 100%
XYZ	36.6852, 42.8957, 100.9565
YIQ	151.7070, -106.1850, -8.4330

Conversions

Conversions Part 2

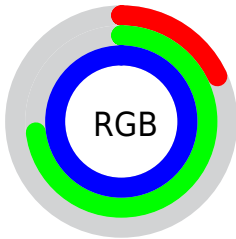
Format	Color
R _Y B	45, 129, 255
Decimal	2996991
CIE Lab	71.48, -13.04, -44.19
CIE LCh	71, 46.074, 253.556
Yxy	42.8957, 0.2032, 0.2376
Android (android.graphics.Color)	4281187071 (0xFF2DBAFF)
YUV	151.7070, 50.9234, -93.5820
Hunter-Lab	65.4948, -14.6338, -45.5458

Details

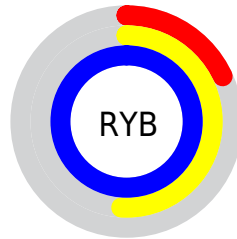
The Yxy color **42.8957, 0.2032, 0.2376** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **33.4415, 0.5449, 0.3820**, and the grayscale version is **31.0576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0842, 0.2434, 0.3137**, and **20.8523, 0.1937, 0.2174** is the 20% darker color. If you saturate the color by 10%, you get **39.0602, 0.1969, 0.2250**, and if you desaturate by 10%, it is **47.2883, 0.2116, 0.2503**.

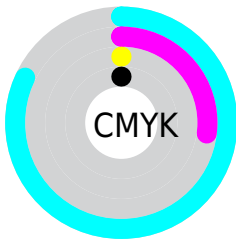
Distribution



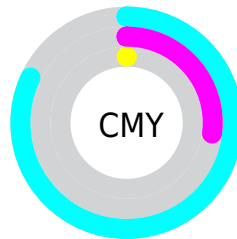
- Red (18%)
- Green (73%)
- Blue (100%)



- Red (18%)
- Yellow (51%)
- Blue (100%)



- Cyan (82%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8957, 0.2032, 0.2376 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 42.8957, 0.2032, 0.2376 by changing the saturation by 10% instead.

 42.8957, 0.2032,
0.2376

 42.8957, 0.2032,
0.2376


358.1827, 0.2554,
0.2829

 29.8033, 0.1913,
0.2268


 79.5534, 0.2214,
0.2538


 19.6893, 0.1767,
0.2133


 103.8876, 0.2285,
0.2599

 12.1694, 0.1585,
0.1961


 132.7377, 0.2345,
0.2652

 6.8592, 0.1356,
0.1738

 166.4883, 0.2398,
0.2697

 3.3742, 0.1065,
0.1442

205.5237, 0.2444,
0.2737

 1.3301, 0.0703,
0.1050

250.2283, 0.2485,

 0.1643, 0.0000,

0.2771

0.0286

300.9865, 0.2521,
0.2802

■ 0.0000, 0.0000,
0.0000

■ 42.8957, 0.2032,
0.2376

■ 42.8957, 0.2032,
0.2376

■ 39.0602, 0.1969,
0.2250

■ 47.2883, 0.2116,
0.2503

■ 36.4582, 0.1933,
0.2157

■ 52.2926, 0.2221,
0.2630

■ 57.9583, 0.2343,
0.2754

■ 64.3280, 0.2479,
0.2873

■ 71.4396, 0.2625,
0.2985

■ 79.3281, 0.2778,
0.3089

■ 88.0257, 0.2934,
0.3184

■ 97.5626, 0.3090,
0.3270

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



42.8957, 0.1971, 0.2739



42.8957, 0.2032, 0.2376



42.8957, 0.2346, 0.2268

Triad

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



42.8957, 0.2032, 0.2376



42.8957, 0.4156, 0.3123



42.8957, 0.3253, 0.4456

Complementary

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



42.8957, 0.2032, 0.2376



33.4415, 0.5449, 0.3820

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.



42.8957, 0.3873, 0.4445



42.8957, 0.2032, 0.2376



42.8957, 0.4439, 0.3621

Square

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



42.8957, 0.2032, 0.2376



42.8957, 0.3561, 0.2687



42.8957, 0.4318, 0.4103



42.8957, 0.2633, 0.4026

Rectangle

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



42.8957, 0.2032, 0.2376



42.8957, 0.2685, 0.2322



42.8957, 0.4318, 0.4103



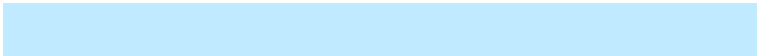
42.8957, 0.3469, 0.4501

Sweetspot

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



42.8969, 0.2032, 0.2376



77.2167, 0.2738, 0.3063



73.2302, 0.2835, 0.5225



15.9304, 0.2684, 0.3026



0.0000, 0.0000, 0.0000



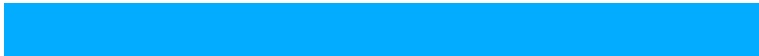
21.4041, 0.3127, 0.3290

Same Dimension

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



42.8969, 0.2032, 0.2376



36.7926, 0.1937, 0.2169



14.0158, 0.1680, 0.1059



19.4175, 0.2980, 0.3210



19.3346, 0.1938, 0.2177



2.0823, 0.1978, 0.2319

Inverse Universe

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



26.6694, 0.4031, 0.2106



24.2991, 0.4265, 0.2127



70.8003, 0.4431, 0.4726



18.1930, 0.3189, 0.3132



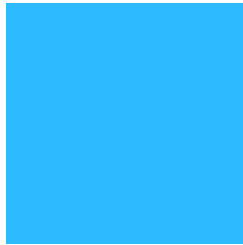
12.6798, 0.4257, 0.2119



1.2548, 0.4107, 0.2036

Previews

White Background



This preview shows how the Yxy color 42.8957, 0.2032, 0.2376 looks on a white background.

Color Contrast Check

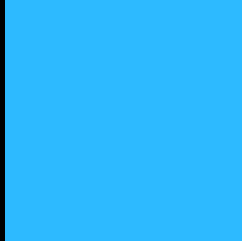
Large Text (above 18pt) WCAG AA × Fail

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 42.8957, 0.2032, 0.2376 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

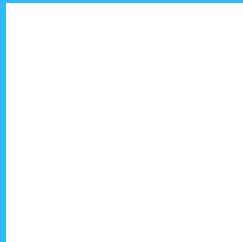
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8957, 0.2032, 0.2376

Background



This preview shows how black text looks on a background with the Yxy color 42.8957, 0.2032, 0.2376.



This preview shows how white text looks on a background with the Yxy color 42.8957, 0.2032, 0.2376.

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

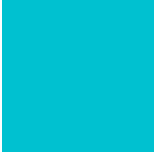
42.8957, 0.2032, 0.2376

Protanopia

42.2723, 0.2474, 0.2394

Deuteranopia

42.5104, 0.2331, 0.2279



Tritanopia

42.6940, 0.2184, 0.3061

Trichromacy



Original Color

42.8957, 0.2032, 0.2376

Protanomaly

41.2768, 0.2245, 0.2368

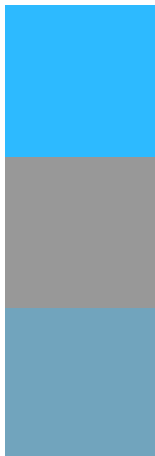
Deuteranomaly

42.0038, 0.2177, 0.2304

Tritanomaly

42.3733, 0.2115, 0.2782

Monochromacy



Original Color

42.8957, 0.2032, 0.2376

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.7358, 0.2521, 0.2905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8957, 0.2032, 0.2376 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(45, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(45, 186, 255)  
}
```

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(45, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.8957, 0.2032, 0.2376 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(45, 186, 255) }
```

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

```
.border{ border-color:rgb(45, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(45, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8957, 0.2032, 0.2376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 186, 255) }
```

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

```
.background{ background-color: rgb(45, 186,  
255) }
```

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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