

Converting Colors

$Y_{xy}(43.1406, 0.2057, 0.2564)$

Have a look what the booklet for
Yxy(43.1406, 0.2057, 0.2564)
contains.

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Color

Yxy(42.9547, 0.2055, 0.2558)

Conversions

Conversions Part 1

Format	Color
Hex	14BDF2
RGB	20, 189, 242
RGB Percent	8%, 74%, 95%
CMY	0.9220, 0.2588, 0.0511
CMYK	0.92, 0.22, 0.00, 0.05
HSL	194°, 90%, 51%
HSV	194°, 92%, 95%
XYZ	34.5082, 42.9547, 90.4601
YIQ	144.5110, -117.7370, -19.3450

Conversions

Conversions Part 2

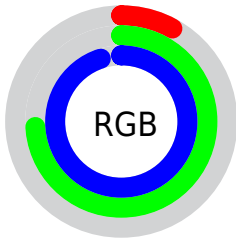
Format	Color
R _Y B	20, 116, 242
Decimal	1359346
CIE Lab	71.52, -20.56, -37.11
CIE LCh	72, 42.429, 241.009
Yxy	42.9547, 0.2055, 0.2558
Android (android.graphics.Color)	4279549426 (0xFF14BDF2)
YUV	144.5110, 48.0621, -109.1961
Hunter-Lab	65.5398, -20.7105, -35.9560

Details

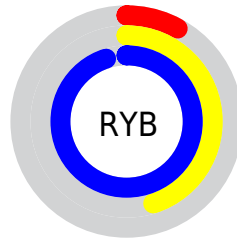
The Yxy color **42.9547, 0.2055, 0.2558** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **23.6698, 0.5931, 0.3589**, and the grayscale version is **27.9310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1022, 0.2402, 0.3171**, and **21.1535, 0.1998, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **40.8015, 0.2024, 0.2486**, and if you desaturate by 10%, it is **45.8787, 0.2108, 0.2647**.

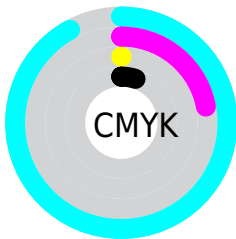
Distribution



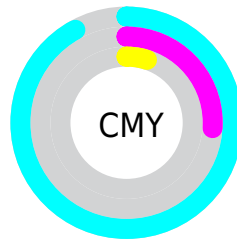
- Red (8%)
- Green (74%)
- Blue (95%)



- Red (8%)
- Yellow (45%)
- Blue (95%)



- Cyan (92%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)




- Cyan (92%)
- Magenta (26%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9547, 0.2055, 0.2558 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 42.9547, 0.2055, 0.2558 by changing the saturation by 10% instead.

 42.9547, 0.2055,
0.2558


 42.9547, 0.2055,
0.2558


358.4254, 0.2568,
0.2932


 29.8496, 0.1937,
0.2465


 79.6425, 0.2235,
0.2694

 19.7244, 0.1791,
0.2347


 103.9940, 0.2304,
0.2745


 12.1949, 0.1608,
0.2194


 132.8630, 0.2364,
0.2788

 6.8766, 0.1375,
0.1987

 166.6340, 0.2416,
0.2825

 3.3850, 0.1076,
0.1702

 205.6913, 0.2461,
0.2857

 1.3359, 0.0691,
0.1300

250.4194, 0.2501,

 0.1687, 0.0000,

0.2885

0.0390

301.2027, 0.2536,
0.2910

■ 0.0000, 0.0000,
0.0000

■ 42.9547, 0.2055,
0.2558

■ 42.9547, 0.2055,
0.2558

■ 40.8015, 0.2024,
0.2486

■ 45.8787, 0.2108,
0.2647

■ 49.2132, 0.2180,
0.2736

■ 53.0079, 0.2272,
0.2825

■ 57.3032, 0.2383,
0.2912

■ 62.1344, 0.2508,
0.2996

■ 67.5330, 0.2646,
0.3075

■ 73.5278, 0.2793,
0.3149

■ 80.1454, 0.2945,
0.3217

■ 87.4105, 0.3100,
0.3280

Harmonies

Analogous

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



42.9547, 0.2103, 0.2998



42.9547, 0.2055, 0.2558



42.9547, 0.2252, 0.2355

Triad

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



42.9547, 0.2055, 0.2558



42.9547, 0.3870, 0.2957



42.9547, 0.3499, 0.4404

Complementary

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



42.9547, 0.2055, 0.2558



23.6698, 0.5931, 0.3589

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.



42.9547, 0.4022, 0.4257



42.9547, 0.2055, 0.2558



42.9547, 0.4270, 0.3409

Square

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



42.9547, 0.2055, 0.2558



42.9547, 0.3266, 0.2593



42.9547, 0.4318, 0.3874



42.9547, 0.2905, 0.4170

Rectangle

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



42.9547, 0.2055, 0.2558



42.9547, 0.2511, 0.2347



42.9547, 0.4318, 0.3874



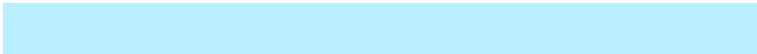
42.9547, 0.3690, 0.4392

Sweetspot

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



42.9562, 0.2055, 0.2558



78.4931, 0.2700, 0.3103



64.1039, 0.2912, 0.5623



16.1972, 0.2637, 0.3070



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.



42.9562, 0.2055, 0.2558



45.8843, 0.2023, 0.2483



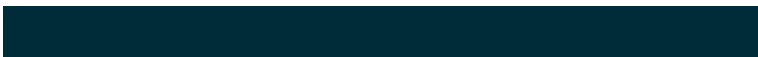
12.1649, 0.1639, 0.1043



17.2527, 0.2981, 0.3232



22.1448, 0.2028, 0.2501



1.9940, 0.2060, 0.2617

Inverse Universe

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



23.0444, 0.3861, 0.1932



25.1632, 0.3939, 0.1943



52.6895, 0.4691, 0.4609



15.9632, 0.3174, 0.3112



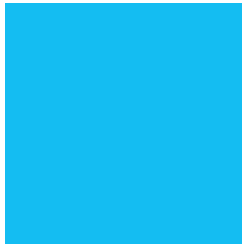
12.0289, 0.3922, 0.1934



1.0160, 0.3808, 0.1871

Previews

White Background



This preview shows how the Yxy color 42.9547, 0.2055, 0.2558 looks on a white background.

Color Contrast Check

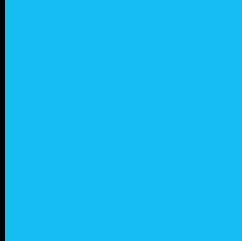
Large Text (above 18pt) WCAG AA × Fail

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 42.9547, 0.2055, 0.2558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

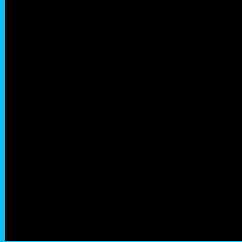
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

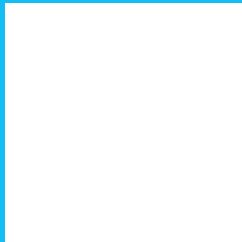
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9547, 0.2055, 0.2558

Background



This preview shows how black text looks on a background with the Yxy color 42.9547, 0.2055, 0.2558.



This preview shows how white text looks on a background with the Yxy color 42.9547, 0.2055, 0.2558.

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

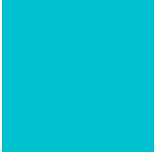
42.9547, 0.2055, 0.2558

Protanopia

42.4313, 0.2598, 0.2564

Deuteranopia

42.4548, 0.2434, 0.2370



Tritanopia

42.6940, 0.2184, 0.3061

Trichromacy



Original Color

42.9547, 0.2055, 0.2558



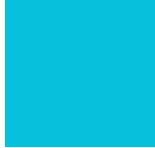
Protanomaly

40.9694, 0.2285, 0.2533



Deuteranomaly

41.2001, 0.2205, 0.2405



Tritanomaly

42.9118, 0.2137, 0.2878

Monochromacy



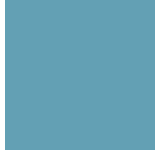
Original Color

42.9547, 0.2055, 0.2558



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

31.0895, 0.2475, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9547, 0.2055, 0.2558 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(20, 189, 242)` looks like.

```
.text, #text, p{  
    color:rgb(20, 189, 242)  
}
```

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(20, 189, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 189, 242) }
```

Border

The CSS property to change the border of an element to Yxy 42.9547, 0.2055, 0.2558 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(20, 189, 242) }
```

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

```
.border{ border-color:rgb(20, 189, 242) }
```

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

Here you see how a box with a 4 pixel rgb(20, 189, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 189, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 189, 242);  
box-shadow:4px 4px 4px 4px rgb(20, 189,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9547, 0.2055, 0.2558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 189, 242) }
```

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

```
.background{ background-color: rgb(20, 189,  
242) }
```

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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