

Converting Colors

$Y_{xy}(42.6874, 0.2009, 0.2375)$

Have a look what the booklet for
Yxy(42.6874, 0.2009, 0.2375)
contains.

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Color

Yxy(42.5708, 0.2008, 0.2371)

Conversions

Conversions Part 1

Format	Color
Hex	1BBAFF
RGB	27, 186, 255
RGB Percent	11%, 73%, 100%
CMY	0.8955, 0.2705, 0.0000
CMYK	0.90, 0.27, 0.00, 0.00
HSL	198°, 100%, 55%
HSV	198°, 90%, 100%
XYZ	36.0532, 42.5708, 100.9239
YIQ	146.3250, -116.9130, -12.2490

Conversions

Conversions Part 2

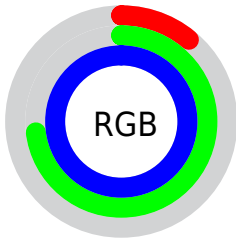
Format	Color
RYB	27, 121, 255
Decimal	1817343
CIELab	71.26, -14.19, -44.55
CIELCh	71, 46.756, 252.332
Yxy	42.5708, 0.2008, 0.2371
Android (android.graphics.Color)	4280007423 (0xFF1BBAFF)
YUV	146.3250, 53.5768, -104.6480
Hunter-Lab	65.2463, -15.5471, -46.0382

Details

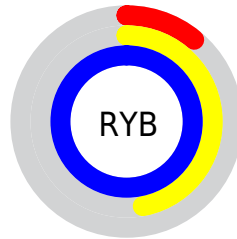
The Yxy color **42.5708, 0.2008, 0.2371** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **29.6365, 0.5730, 0.3725**, and the grayscale version is **28.6549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5758, 0.2408, 0.3136**, and **20.8523, 0.1937, 0.2174** is the 20% darker color. If you saturate the color by 10%, you get **39.1921, 0.1961, 0.2257**, and if you desaturate by 10%, it is **46.4122, 0.2074, 0.2487**.

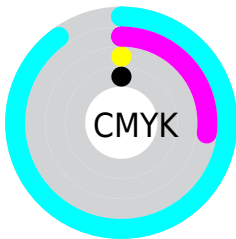
Distribution



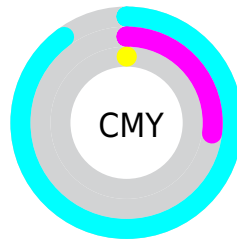
- Red (11%)
- Green (73%)
- Blue (100%)



- Red (11%)
- Yellow (47%)
- Blue (100%)



- Cyan (90%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5708, 0.2008, 0.2371 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 42.5708, 0.2008, 0.2371 by changing the saturation by 10% instead.


 42.5708, 0.2008,
0.2371


 42.5708, 0.2008,
0.2371


356.8437, 0.2541,
0.2828

 29.5485, 0.1886,
0.2262


 79.0628, 0.2194,
0.2534


 19.4961, 0.1738,
0.2125


 103.3013, 0.2266,
0.2596


 12.0293, 0.1553,
0.1952


 132.0472, 0.2328,
0.2649

 6.7637, 0.1321,
0.1726

 165.6851, 0.2382,
0.2695

 3.3147, 0.1028,
0.1427

 204.5993, 0.2429,
0.2735

 1.2982, 0.0667,
0.1032

249.1742, 0.2471,

 0.1398, 0.0000,

0.2770

0.0244

299.7942, 0.2508,
0.2800

0.0000, 0.0000,
0.0000

42.5708, 0.2008,
0.2371

42.5708, 0.2008,
0.2371

39.1921, 0.1961,
0.2257

46.4122, 0.2074,
0.2487

39.0466, 0.1959,
0.2252

50.7951, 0.2160,
0.2603

55.7748, 0.2266,
0.2718

61.3972, 0.2389,
0.2830

67.7025, 0.2525,
0.2937

■ 74.7273, 0.2671,
0.3038

■ 82.5048, 0.2824,
0.3131

■ 91.0660, 0.2979,
0.3216

■ 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.



42.5708, 0.1957, 0.2749



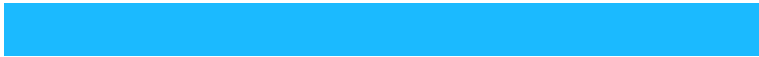
42.5708, 0.2008, 0.2371



42.5708, 0.2316, 0.2252

Triad

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



42.5708, 0.2008, 0.2371



42.5708, 0.4155, 0.3099



42.5708, 0.3281, 0.4487

Complementary

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



42.5708, 0.2008, 0.2371



29.6365, 0.5730, 0.3725

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.



42.5708, 0.3906, 0.4455



42.5708, 0.2008, 0.2371



42.5708, 0.4458, 0.3603

Square

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



42.5708, 0.2008, 0.2371



42.5708, 0.3540, 0.2662



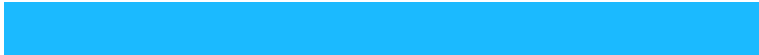
42.5708, 0.4350, 0.4095



42.5708, 0.2647, 0.4065

Rectangle

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



42.5708, 0.2008, 0.2371



42.5708, 0.2654, 0.2302



42.5708, 0.4350, 0.4095



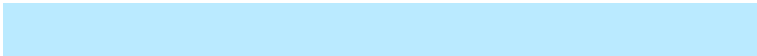
42.5708, 0.3499, 0.4525

Sweetspot

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



42.5722, 0.2008, 0.2371



76.6377, 0.2710, 0.3062



72.5773, 0.2863, 0.5428



15.8585, 0.2658, 0.3029



0.0000, 0.0000, 0.0000



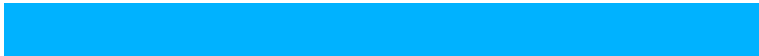
21.4041, 0.3127, 0.3290

Same Dimension

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



42.5722, 0.2008, 0.2371



39.0466, 0.1959, 0.2252



12.1242, 0.1617, 0.0941



19.5006, 0.2980, 0.3216



20.6775, 0.1964, 0.2271



2.2055, 0.2000, 0.2401

Inverse Universe

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



25.5736, 0.4046, 0.2049



24.4729, 0.4177, 0.2074



67.1003, 0.4529, 0.4726



18.2014, 0.3185, 0.3126



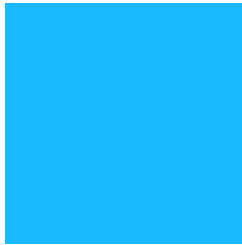
12.8154, 0.4157, 0.2063



1.2672, 0.4022, 0.1989

Previews

White Background



This preview shows how the Yxy color 42.5708, 0.2008, 0.2371 looks on a white background.

Color Contrast Check

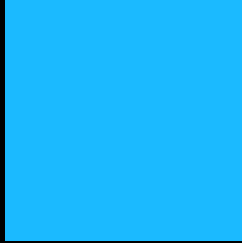
Large Text (above 18pt) WCAG AA × Fail

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 42.5708, 0.2008, 0.2371 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

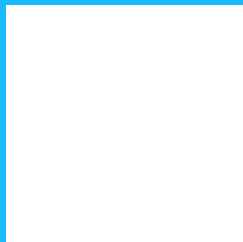
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.5708, 0.2008, 0.2371

Background



This preview shows how black text looks on a background with the Yxy color 42.5708, 0.2008, 0.2371.



This preview shows how white text looks on a background with the Yxy color 42.5708, 0.2008, 0.2371.

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

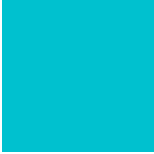
42.5708, 0.2008, 0.2371

Protanopia

42.1762, 0.2467, 0.2392

Deuteranopia

42.0434, 0.2323, 0.2265



Tritanopia

42.6449, 0.2188, 0.3076

Trichromacy



Original Color

42.5708, 0.2008, 0.2371

Protanomaly

40.8302, 0.2212, 0.2361

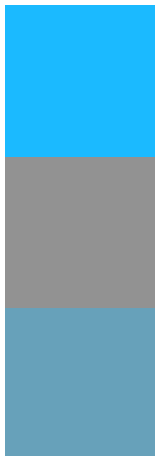
Deuteranomaly

41.2057, 0.2145, 0.2284

Tritanomaly

42.2733, 0.2115, 0.2795

Monochromacy



Original Color

42.5708, 0.2008, 0.2371

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

31.9185, 0.2466, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5708, 0.2008, 0.2371 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(27, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(27, 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(27, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 186, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.5708, 0.2008, 0.2371 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(27, 186, 255) }
```

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

```
.border{ border-color:rgb(27, 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(27, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(27, 186,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5708, 0.2008, 0.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 186, 255) }
```

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

```
.background{ background-color: rgb(27, 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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