

Converting Colors

$Yxy(42.0412, 0.2072, 0.2609)$

Have a look what the booklet for
Yxy(42.0412, 0.2072, 0.2609)
contains.

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Color

Yxy(42.2047, 0.2074, 0.2615)

Conversions

Conversions Part 1

Format	Color
Hex	17BCEC
RGB	23, 188, 236
RGB Percent	9%, 74%, 93%
CMY	0.9097, 0.2627, 0.0746
CMYK	0.90, 0.20, 0.00, 0.07
HSL	194°, 85%, 51%
HSV	194°, 90%, 93%
XYZ	33.4732, 42.2047, 85.7167
YIQ	144.1370, -113.7480, -20.0520

Conversions

Conversions Part 2

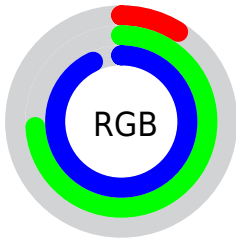
Format	Color
R _Y B	23, 116, 236
Decimal	1555692
CIE Lab	71.01, -21.96, -34.65
CIE LCh	71, 41.022, 237.638
Yxy	42.2047, 0.2074, 0.2615
Android (android.graphics.Color)	4279745772 (0xFF17BCEC)
YUV	144.1370, 45.2885, -106.2371
Hunter-Lab	64.9651, -21.7170, -32.7532

Details

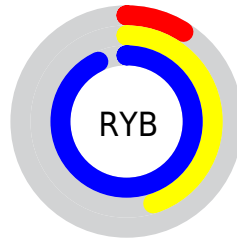
The Yxy color **42.2047, 0.2074, 0.2615** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **22.3948, 0.5912, 0.3579**, and the grayscale version is **27.7994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4988, 0.2399, 0.3159**, and **20.6232, 0.2017, 0.2461** is the 20% darker color. If you saturate the color by 10%, you get **39.8478, 0.2037, 0.2535**, and if you desaturate by 10%, it is **44.9321, 0.2128, 0.2699**.

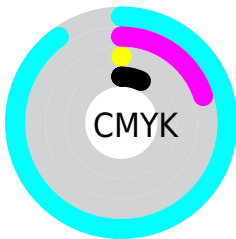
Distribution



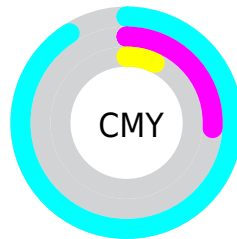
- Red (9%)
- Green (74%)
- Blue (93%)



- Red (9%)
- Yellow (45%)
- Blue (93%)



- Cyan (90%)
- Magenta (20%)
- Yellow (0%)
- Black (7%)



- Cyan (91%)
- Magenta (26%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2047, 0.2074, 0.2615 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 42.2047, 0.2074, 0.2615 by changing the saturation by 10% instead.

42.2047, 0.2074,
0.2615

42.2047, 0.2074,
0.2615

355.3308, 0.2581,
0.2964

29.2616, 0.1956,
0.2527

78.5093, 0.2252,
0.2743

19.2788, 0.1810,
0.2415

102.6397, 0.2321,
0.2791

11.8719, 0.1627,
0.2267

131.2679, 0.2380,
0.2831

6.6565, 0.1392,
0.2066

164.7784, 0.2431,
0.2865

3.2482, 0.1087,
0.1783

203.5555, 0.2475,
0.2895

1.2627, 0.0678,
0.1376

247.9837, 0.2515,

0.1120, 0.0000,

0.2921

0.0305

298.4473, 0.2550,
0.2944

■ 0.0000, 0.0000,
0.0000

■ 42.2047, 0.2074,
0.2615

■ 42.2047, 0.2074,
0.2615

■ 39.8478, 0.2037,
0.2535

■ 44.9321, 0.2128,
0.2699

■ 48.0445, 0.2202,
0.2782

■ 51.5871, 0.2295,
0.2866

■ 55.5969, 0.2406,
0.2947

■ 60.1061, 0.2532,
0.3025

■ 65.1438, 0.2670,
0.3099

■ 70.7367, 0.2817,
0.3168

■ 76.9091, 0.2969,
0.3231

■ 83.6842, 0.3123,
0.3289

Harmonies

Analogous

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



42.2047, 0.2149, 0.3069



42.2047, 0.2074, 0.2615



42.2047, 0.2241, 0.2390

Triad

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



42.2047, 0.2074, 0.2615



42.2047, 0.3790, 0.2921



42.2047, 0.3555, 0.4373

Complementary

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



42.2047, 0.2074, 0.2615



22.3948, 0.5912, 0.3579

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.



42.2047, 0.4045, 0.4199



42.2047, 0.2074, 0.2615



42.2047, 0.4210, 0.3357

Square

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



42.2047, 0.2074, 0.2615



42.2047, 0.3194, 0.2578



42.2047, 0.4299, 0.3813



42.2047, 0.2976, 0.4188

Rectangle

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



42.2047, 0.2074, 0.2615



42.2047, 0.2478, 0.2364



42.2047, 0.4299, 0.3813



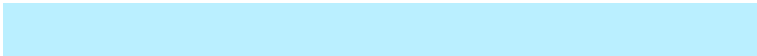
42.2047, 0.3736, 0.4349

Sweetspot

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



42.2062, 0.2074, 0.2615



79.6995, 0.2715, 0.3121



60.5888, 0.2917, 0.5625



16.5872, 0.2666, 0.3097



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.



42.2062, 0.2074, 0.2615



47.4089, 0.2037, 0.2531



12.4782, 0.1664, 0.1116



16.5129, 0.2981, 0.3236



22.1734, 0.2041, 0.2548



1.8820, 0.2073, 0.2663

Inverse Universe

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



22.0728, 0.3805, 0.1910



25.3171, 0.3891, 0.1917



48.7981, 0.4710, 0.4579



15.2523, 0.3172, 0.3109



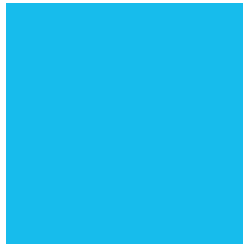
11.7312, 0.3875, 0.1908



0.9354, 0.3764, 0.1847

Previews

White Background



This preview shows how the Yxy color 42.2047, 0.2074, 0.2615 looks on a white background.

Color Contrast Check

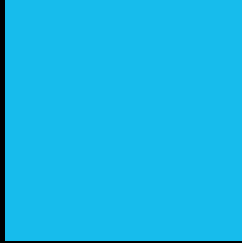
Large Text (above 18pt) WCAG AA × Fail

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 42.2047, 0.2074, 0.2615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

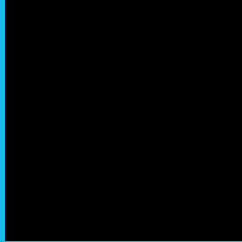
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2047, 0.2074, 0.2615

Background



This preview shows how black text looks on a background with the Yxy color 42.2047, 0.2074, 0.2615.



This preview shows how white text looks on a background with the Yxy color 42.2047, 0.2074, 0.2615.

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

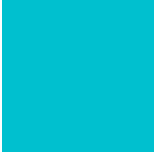
42.2047, 0.2074, 0.2615

Protanopia

41.4481, 0.2640, 0.2606

Deuteranopia

41.5248, 0.2476, 0.2409



Tritanopia

42.2043, 0.2184, 0.3060

Trichromacy



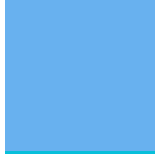
Original Color

42.2047, 0.2074, 0.2615



Protanomaly

40.3607, 0.2321, 0.2591



Deuteranomaly

40.6193, 0.2241, 0.2459



Tritanomaly

42.3752, 0.2141, 0.2890

Monochromacy



Original Color

42.2047, 0.2074, 0.2615



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

31.0253, 0.2501, 0.3012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2047, 0.2074, 0.2615 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(23, 188, 236)` looks like.

```
.text, #text, p{  
    color:rgb(23, 188, 236)  
}
```

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(23, 188, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 188, 236) }
```

Border

The CSS property to change the border of an element to Yxy 42.2047, 0.2074, 0.2615 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(23, 188, 236) }
```

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

```
.border{ border-color:rgb(23, 188, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 188, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 188, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 188, 236);  
box-shadow:4px 4px 4px 4px rgb(23, 188,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2047, 0.2074, 0.2615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 188, 236) }
```

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

```
.background{ background-color: rgb(23, 188,  
236) }
```

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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