

Converting Colors

$Yxy(42.0647, 0.2075, 0.2334)$

Have a look what the booklet for
Yxy(42.0647, 0.2075, 0.2334)
contains.

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Color

Yxy(42.0155, 0.2075, 0.2332)

Conversions

Conversions Part 1

Format	Color
Hex	47B6FF
RGB	71, 182, 255
RGB Percent	28%, 71%, 100%
CMY	0.7211, 0.2863, 0.0000
CMYK	0.72, 0.29, 0.00, 0.00
HSL	204°, 100%, 64%
HSV	204°, 72%, 100%
XYZ	37.3851, 42.0155, 100.7687
YIQ	157.1330, -89.5890, -0.8290

Conversions

Conversions Part 2

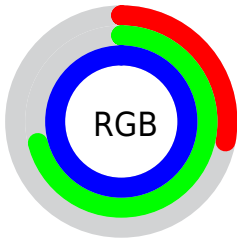
Format	Color
R _Y B	71, 140, 255
Decimal	4699903
CIE Lab	70.88, -8.14, -45.11
CIE LCh	71, 45.837, 259.765
Yxy	42.0155, 0.2075, 0.2332
Android (android.graphics.Color)	4282889983 (0xFF47B6FF)
YUV	157.1330, 48.2484, -75.5386
Hunter-Lab	64.8194, -10.4824, -46.7992

Details

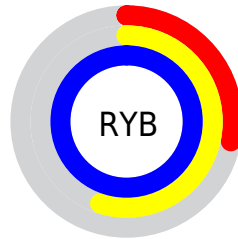
The Yxy color **42.0155, 0.2075, 0.2332** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **41.6999, 0.4972, 0.3959**, and the grayscale version is **33.6014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9445, 0.2486, 0.3092**, and **19.7777, 0.1917, 0.2101** is the 20% darker color. If you saturate the color by 10%, you get **37.2454, 0.1980, 0.2176**, and if you desaturate by 10%, it is **47.4892, 0.2191, 0.2488**.

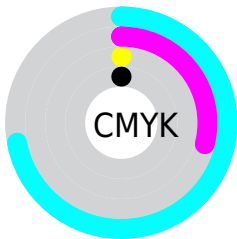
Distribution



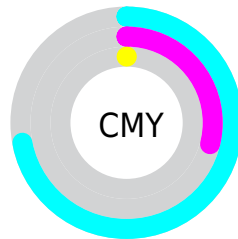
- Red (28%)
- Green (71%)
- Blue (100%)



- Red (28%)
- Yellow (55%)
- Blue (100%)



- Cyan (72%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0155, 0.2075, 0.2332 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 42.0155, 0.2075, 0.2332 by changing the saturation by 10% instead.


 42.0155, 0.2075,
0.2332

 42.0155, 0.2075,
0.2332

354.5472, 0.2580,
0.2803

 29.1134, 0.1959,
0.2220


 78.2231, 0.2252,
0.2499


 19.1666, 0.1816,
0.2082


 102.2974, 0.2320,
0.2563

 11.7908, 0.1637,
0.1906


 130.8646, 0.2379,
0.2618

 6.6014, 0.1410,
0.1678

 164.3090, 0.2430,
0.2665

 3.2141, 0.1120,
0.1379

203.0151, 0.2475,
0.2707

 1.2445, 0.0754,
0.0987

247.3672, 0.2514,

 0.0976, 0.0000,

0.2743

0.0172

297.7498, 0.2549,
0.2775

■ 0.0000, 0.0000,
0.0000

■ 42.0155, 0.2075,
0.2332

■ 42.0155, 0.2075,
0.2332

■ 37.2454, 0.1980,
0.2176

■ 47.4892, 0.2191,
0.2488

■ 33.1191, 0.1907,
0.2023

■ 53.7185, 0.2323,
0.2640

■ 30.2505, 0.1863,
0.1906

■ 60.7481, 0.2468,
0.2786

■ 68.6185, 0.2622,
0.2923

■ 77.3671, 0.2780,
0.3049

■ 87.0283, 0.2938,
0.3165

■ 97.6347, 0.3095,
0.3269

■ 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.



42.0155, 0.1961, 0.2641



42.0155, 0.2075, 0.2332



42.0155, 0.2440, 0.2273

Triad

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



42.0155, 0.2075, 0.2332



42.0155, 0.4248, 0.3223



42.0155, 0.3119, 0.4404

Complementary

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



42.0155, 0.2075, 0.2332



41.6999, 0.4972, 0.3959

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.



42.0155, 0.3754, 0.4484



42.0155, 0.2075, 0.2332



42.0155, 0.4449, 0.3725

Square

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



42.0155, 0.2075, 0.2332



42.0155, 0.3700, 0.2768



42.0155, 0.4250, 0.4192



42.0155, 0.2519, 0.3895

Rectangle

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



42.0155, 0.2075, 0.2332



42.0155, 0.2808, 0.2356



42.0155, 0.4250, 0.4192



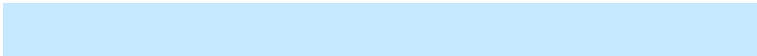
42.0155, 0.3335, 0.4482

Sweetspot

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



42.0152, 0.2075, 0.2332



77.4713, 0.2782, 0.3051



74.8049, 0.2777, 0.4807



16.0547, 0.2739, 0.3017



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.



42.0152, 0.2075, 0.2332



35.1528, 0.1942, 0.2101



16.3163, 0.1787, 0.1188



19.2001, 0.2979, 0.3193



16.1064, 0.1870, 0.1931



1.7818, 0.1917, 0.2101

Inverse Universe

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



29.1576, 0.4050, 0.2274



25.1430, 0.4326, 0.2231



80.3040, 0.4224, 0.4733



18.1711, 0.3199, 0.3148



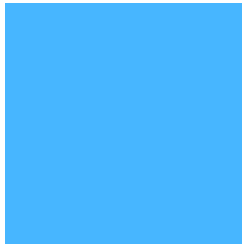
12.3539, 0.4532, 0.2270



1.2244, 0.4340, 0.2164

Previews

White Background



This preview shows how the Yxy color 42.0155, 0.2075, 0.2332 looks on a white background.

Color Contrast Check

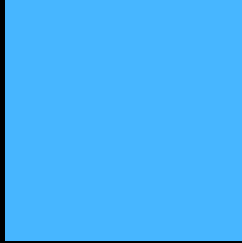
Large Text (above 18pt) WCAG AA × Fail

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 42.0155, 0.2075, 0.2332 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

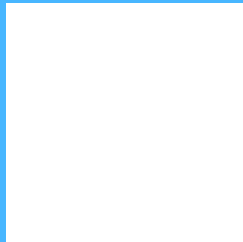
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0155, 0.2075, 0.2332

Background



This preview shows how black text looks on a background with the Yxy color 42.0155, 0.2075, 0.2332.



This preview shows how white text looks on a background with the Yxy color 42.0155, 0.2075, 0.2332.

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

42.0155, 0.2075, 0.2332

Protanopia

41.7316, 0.2442, 0.2356

Deuteranopia

41.4967, 0.2310, 0.2249



Tritanopia

41.9733, 0.2198, 0.3046

Trichromacy



Original Color

42.0155, 0.2075, 0.2332

Protanomaly

41.1766, 0.2270, 0.2330

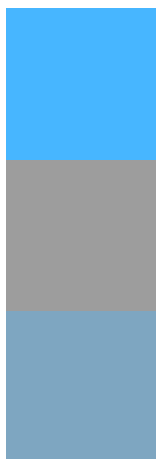
Deuteranomaly

41.3247, 0.2203, 0.2272

Tritanomaly

41.8405, 0.2143, 0.2769

Monochromacy



Original Color

42.0155, 0.2075, 0.2332

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.5583, 0.2589, 0.2890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0155, 0.2075, 0.2332 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(71, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 182, 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(71, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 182, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.0155, 0.2075, 0.2332 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(71, 182, 255) }
```

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

```
.border{ border-color:rgb(71, 182, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 182,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0155, 0.2075, 0.2332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 182, 255) }
```

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

```
.background{ background-color: rgb(71, 182,  
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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