

Converting Colors

$Yxy(42.2234, 0.2235, 0.2491)$

Have a look what the booklet for
Yxy(42.2234, 0.2235, 0.2491)
contains.

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Color

Yxy(42.2234, 0.2235, 0.2491)

Conversions

Conversions Part 1

Format	Color
Hex	66B5F1
RGB	102, 181, 241
RGB Percent	40%, 71%, 95%
CMY	0.6000, 0.2902, 0.0548
CMYK	0.58, 0.25, 0.00, 0.05
HSL	206°, 83%, 67%
HSV	206°, 58%, 95%
XYZ	37.8841, 42.2234, 89.3963
YIQ	164.2190, -66.3440, 1.9120

Conversions

Conversions Part 2

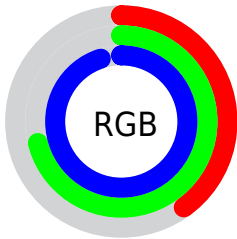
Format	Color
RYB	102, 152, 241
Decimal	6731249
CIELab	71.02, -7.14, -37.23
CIElCh	71, 37.912, 259.147
Yxy	42.2234, 0.2235, 0.2491
Android (android.graphics.Color)	4284921329 (0xFF66B5F1)
YUV	164.2190, 37.8530, -54.5661
Hunter-Lab	64.9795, -9.6458, -36.0832

Details

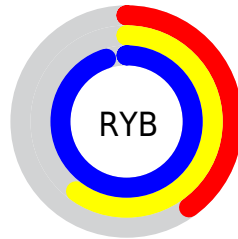
The Yxy color **42.2234, 0.2235, 0.2491** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.5202, 0.4458, 0.3932**, and the grayscale version is **37.0758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4698, 0.2586, 0.3086**, and **19.2023, 0.2000, 0.2262** is the 20% darker color. If you saturate the color by 10%, you get **36.9396, 0.2106, 0.2323**, and if you desaturate by 10%, it is **48.2358, 0.2378, 0.2654**.

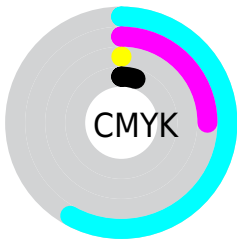
Distribution



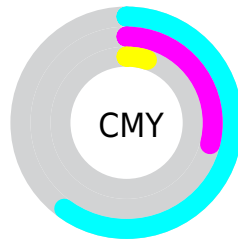
- Red (40%)
- Green (71%)
- Blue (95%)



- Red (40%)
- Yellow (60%)
- Blue (95%)



- Cyan (58%)
- Magenta (25%)
- Yellow (0%)
- Black (5%)



- Cyan (60%)
- Magenta (29%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2234, 0.2235, 0.2491 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 42.2234, 0.2235, 0.2491 by changing the saturation by 10% instead.

■ 42.2234, 0.2235,
0.2491

■ 42.2234, 0.2235,
0.2491

■ 355.4082, 0.2669,
0.2889

■ 29.2763, 0.2132,
0.2395

■ 78.5376, 0.2389,
0.2634

■ 19.2899, 0.2005,
0.2273

■ 102.6735, 0.2448,
0.2688

■ 11.8799, 0.1842,
0.2117

■ 131.3077, 0.2498,
0.2734

■ 6.6620, 0.1630,
0.1910

■ 164.8247, 0.2542,
0.2774

■ 3.2516, 0.1347,
0.1626

■ 203.6089, 0.2580,
0.2808

■ 1.2645, 0.0967,
0.1230

■ 248.0446, 0.2613,

■ 0.1134, 0.0000,

0.2838

0.0275

298.5162, 0.2643,
0.2865

0.0000, 0.0000,
0.0000

42.2234, 0.2235,
0.2491

42.2234, 0.2235,
0.2491

36.9396, 0.2106,
0.2323

48.2358, 0.2378,
0.2654

32.3363, 0.1997,
0.2152

55.0110, 0.2531,
0.2809

28.3648, 0.1909,
0.1985

62.5860, 0.2690,
0.2953

24.9602, 0.1843,
0.1823

70.9937, 0.2850,
0.3086

24.2301, 0.1830,
0.1786

80.2646, 0.3008,
0.3206

 90.4277, 0.3162,
0.3314

 98.4044, 0.3209,
0.3413

 99.1328, 0.3208,
0.3424

Harmonies

Analogous

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



42.2234, 0.2142, 0.2767



42.2234, 0.2235, 0.2491



42.2234, 0.2546, 0.2429

Triad

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



42.2234, 0.2235, 0.2491



42.2234, 0.4045, 0.3237



42.2234, 0.3143, 0.4198

Complementary

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



42.2234, 0.2235, 0.2491



45.5202, 0.4458, 0.3932

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.



42.2234, 0.3672, 0.4274



42.2234, 0.2235, 0.2491



42.2234, 0.4222, 0.3666

Square

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



42.2234, 0.2235, 0.2491



42.2234, 0.3593, 0.2846



42.2234, 0.4074, 0.4051



42.2234, 0.2636, 0.3795

Rectangle

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



42.2234, 0.2235, 0.2491



42.2234, 0.2856, 0.2496



42.2234, 0.4074, 0.4051



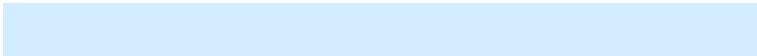
42.2234, 0.3325, 0.4263

Sweetspot

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



42.2249, 0.2235, 0.2491



81.3178, 0.2860, 0.3094



68.2902, 0.2780, 0.4386



16.9739, 0.2828, 0.3068



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.



42.2249, 0.2235, 0.2491



41.1335, 0.2088, 0.2297



21.1205, 0.2035, 0.1572



16.7195, 0.2980, 0.3185



13.4089, 0.1837, 0.1812



1.3128, 0.1896, 0.2024

Inverse Universe

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



31.5463, 0.3854, 0.2462



30.1148, 0.4076, 0.2352



75.9516, 0.4014, 0.4562



15.9093, 0.3204, 0.3157



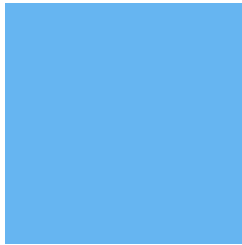
11.1470, 0.4671, 0.2347



0.9472, 0.4425, 0.2211

Previews

White Background



This preview shows how the Yxy color 42.2234, 0.2235, 0.2491 looks on a white background.

Color Contrast Check

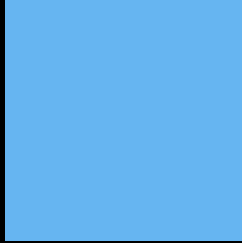
Large Text (above 18pt) WCAG AA × Fail

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 42.2234, 0.2235, 0.2491 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

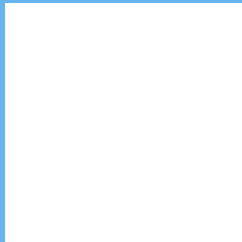
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2234, 0.2235, 0.2491

Background



This preview shows how black text looks on a background with the Yxy color 42.2234, 0.2235, 0.2491.



This preview shows how white text looks on a background with the Yxy color 42.2234, 0.2235, 0.2491.

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

42.2234, 0.2235, 0.2491

Protanopia

41.9776, 0.2551, 0.2503

Deuteranopia

41.8928, 0.2448, 0.2388



Tritanopia

42.2567, 0.2366, 0.3067

Trichromacy



Original Color

42.2234, 0.2235, 0.2491

Protanomaly

41.9503, 0.2420, 0.2499

Deuteranomaly

41.8960, 0.2360, 0.2428

Tritanomaly

41.9830, 0.2313, 0.2833

Monochromacy



Original Color

42.2234, 0.2235, 0.2491

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.2179, 0.2714, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2234, 0.2235, 0.2491 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(102, 181, 241)` looks like.

```
.text, #text, p{  
    color:rgb(102, 181, 241)  
}
```

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(102, 181, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 181, 241) }
```

Border

The CSS property to change the border of an element to Yxy 42.2234, 0.2235, 0.2491 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(102, 181, 241) }
```

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

```
.border{ border-color:rgb(102, 181, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 181, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 181, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 181, 241);  
box-shadow:4px 4px 4px 4px rgb(102, 181,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2234, 0.2235, 0.2491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 181, 241) }
```

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

```
.background{ background-color: rgb(102,  
181, 241) }
```

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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