

Converting Colors

$Y_{xy}(43.0490, 0.2272, 0.2604)$

Have a look what the booklet for
Yxy(43.0490, 0.2272, 0.2604)
contains.

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Color

Yxy(43.1039, 0.2271, 0.2602)

Conversions

Conversions Part 1

Format	Color
Hex	66B8EB
RGB	102, 184, 235
RGB Percent	40%, 72%, 92%
CMY	0.5997, 0.2785, 0.0784
CMYK	0.57, 0.22, 0.00, 0.08
HSL	203°, 77%, 66%
HSV	203°, 57%, 92%
XYZ	37.6207, 43.1039, 84.9322
YIQ	165.2960, -65.2430, -1.5230

Conversions

Conversions Part 2

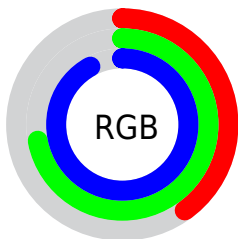
Format	Color
RYB	102, 153, 235
Decimal	6732011
CIELab	71.63, -10.58, -33.03
CIELCh	72, 34.682, 252.233
Yxy	43.1039, 0.2271, 0.2602
Android (android.graphics.Color)	4284922091 (0xFF66B8EB)
YUV	165.2960, 34.3641, -55.5106
Hunter-Lab	65.6536, -12.6101, -30.7426

Details

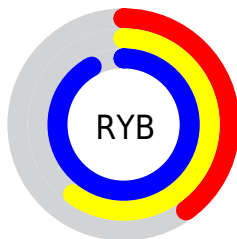
The Yxy color **43.1039, 0.2271, 0.2602** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.4306, 0.4469, 0.3852**, and the grayscale version is **37.6404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1172, 0.2586, 0.3120**, and **19.7943, 0.2049, 0.2407** is the 20% darker color. If you saturate the color by 10%, you get **38.2929, 0.2148, 0.2454**, and if you desaturate by 10%, it is **48.5460, 0.2409, 0.2745**.

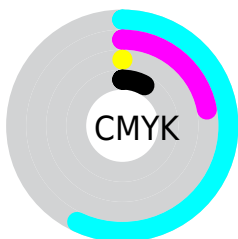
Distribution



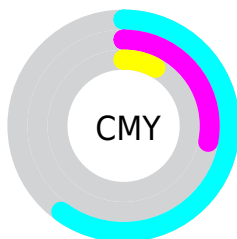
- Red (40%)
- Green (72%)
- Blue (92%)



- Red (40%)
- Yellow (60%)
- Blue (92%)



- Cyan (57%)
- Magenta (22%)
- Yellow (0%)
- Black (8%)



- Cyan (60%)
- Magenta (28%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1039, 0.2271, 0.2602 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 43.1039, 0.2271, 0.2602 by changing the saturation by 10% instead.

■ 43.1039, 0.2271,
0.2602

■ 43.1039, 0.2271,
0.2602

■ 359.0389, 0.2687,
0.2948

■ 29.9666, 0.2172,
0.2517

■ 79.8676, 0.2419,
0.2727

■ 19.8133, 0.2049,
0.2409

■ 104.2629, 0.2475,
0.2774

■ 12.2594, 0.1891,
0.2268

■ 133.1796, 0.2524,
0.2814

■ 6.9206, 0.1685,
0.2078

■ 167.0022, 0.2565,
0.2849

■ 3.4125, 0.1407,
0.1812

■ 206.1150, 0.2602,
0.2879

■ 1.3507, 0.1026,
0.1427

■ 250.9025, 0.2634,

■ 0.1799, 0.0000,

0.2905

0.0493

301.7490, 0.2662,
0.2928

0.0000, 0.0000,
0.0000

43.1039, 0.2271,
0.2602

43.1039, 0.2271,
0.2602

38.2929, 0.2148,
0.2454

48.5460, 0.2409,
0.2745

34.0700, 0.2043,
0.2304

54.6486, 0.2557,
0.2880

30.3928, 0.1959,
0.2155

61.4446, 0.2712,
0.3006

27.2065, 0.1897,
0.2010

68.9626, 0.2869,
0.3122

26.1961, 0.1878,
0.1960

77.2296, 0.3026,
0.3227

86.2708, 0.3179,
0.3321

93.8490, 0.3251,
0.3408

98.7781, 0.3244,
0.3483

Harmonies

Analogous

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



43.1039, 0.2234, 0.2904



43.1039, 0.2271, 0.2602



43.1039, 0.2514, 0.2497

Triad

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



43.1039, 0.2271, 0.2602



43.1039, 0.3883, 0.3157



43.1039, 0.3261, 0.4153

Complementary

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



43.1039, 0.2271, 0.2602



41.4306, 0.4469, 0.3852

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.



43.1039, 0.3727, 0.4159



43.1039, 0.2271, 0.2602



43.1039, 0.4111, 0.3551

Square

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



43.1039, 0.2271, 0.2602



43.1039, 0.3437, 0.2812



43.1039, 0.4046, 0.3918



43.1039, 0.2780, 0.3849

Rectangle

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



43.1039, 0.2271, 0.2602



43.1039, 0.2776, 0.2531



43.1039, 0.4046, 0.3918



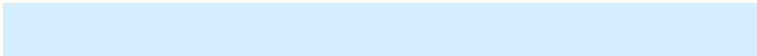
43.1039, 0.3425, 0.4189

Sweetspot

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



43.1055, 0.2271, 0.2602



82.5276, 0.2861, 0.3116



64.5456, 0.2806, 0.4423



17.2601, 0.2830, 0.3093



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.



43.1055, 0.2271, 0.2602



45.1613, 0.2128, 0.2428



21.6856, 0.2071, 0.1669



16.0948, 0.2981, 0.3197



14.8340, 0.1884, 0.1983



1.3500, 0.1940, 0.2184

Inverse Universe

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



30.6395, 0.3752, 0.2412



30.8853, 0.3945, 0.2284



69.5420, 0.4023, 0.4504



15.2101, 0.3197, 0.3146



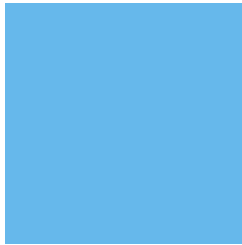
10.9903, 0.4472, 0.2237



0.8817, 0.4250, 0.2115

Previews

White Background



This preview shows how the Yxy color 43.1039, 0.2271, 0.2602 looks on a white background.

Color Contrast Check

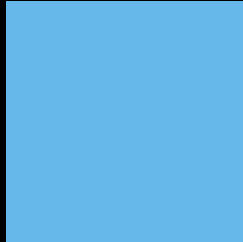
Large Text (above 18pt) WCAG AA × Fail

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 43.1039, 0.2271, 0.2602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

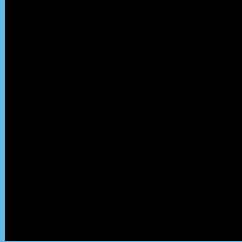
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

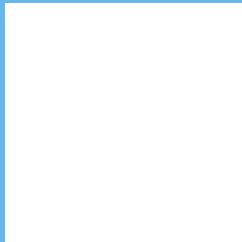
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.1039, 0.2271, 0.2602

Background



This preview shows how black text looks on a background with the Yxy color 43.1039, 0.2271, 0.2602.

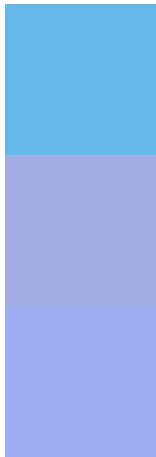


This preview shows how white text looks on a background with the Yxy color 43.1039, 0.2271, 0.2602.

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

43.1039, 0.2271, 0.2602

Protanopia

42.8517, 0.2633, 0.2613

Deuteranopia

42.7460, 0.2530, 0.2464



Tritanopia

42.9766, 0.2376, 0.3054

Trichromacy



Original Color

43.1039, 0.2271, 0.2602

Protanomaly

42.5904, 0.2481, 0.2608

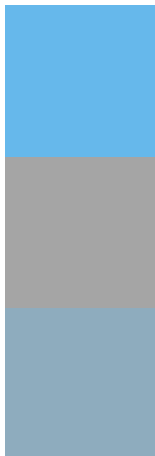
Deuteranomaly

42.3993, 0.2417, 0.2501

Tritanomaly

42.8782, 0.2333, 0.2876

Monochromacy



Original Color

43.1039, 0.2271, 0.2602

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.9735, 0.2738, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.1039, 0.2271, 0.2602 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, 184, 235)` looks like.

```
.text, #text, p{  
    color:rgb(102, 184, 235)  
}
```

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, 184, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 184, 235) }
```

Border

The CSS property to change the border of an element to Yxy 43.1039, 0.2271, 0.2602 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, 184, 235) }
```

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

```
.border{ border-color:rgb(102, 184, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 184, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 184, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 184, 235);  
box-shadow:4px 4px 4px 4px rgb(102, 184,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 43.1039, 0.2271, 0.2602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 184, 235) }
```

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

```
.background{ background-color: rgb(102,  
184, 235) }
```

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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