

Converting Colors

$Y_{xy}(49.2889, 0.2327, 0.2797)$

Have a look what the booklet for
Yxy(49.2889, 0.2327, 0.2797)
contains.

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Color

Yxy(49.4505, 0.2330, 0.2801)

Conversions

Conversions Part 1

Format	Color
Hex	6AC6EB
RGB	106, 198, 235
RGB Percent	42%, 78%, 92%
CMY	0.5841, 0.2235, 0.0785
CMYK	0.55, 0.16, 0.00, 0.08
HSL	197°, 76%, 67%
HSV	197°, 55%, 92%
XYZ	41.1352, 49.4505, 85.9602
YIQ	174.7100, -66.7090, -7.9970

Conversions

Conversions Part 2

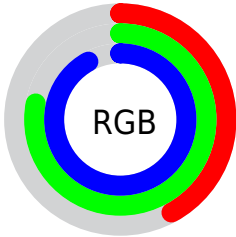
Format	Color
RYB	106, 160, 235
Decimal	6997739
CIELab	75.73, -17.19, -26.69
CIElCh	76, 31.743, 237.222
Yxy	49.4505, 0.2330, 0.2801
Android (android.graphics.Color)	4285187819 (0xFF6AC6EB)
YUV	174.7100, 29.7230, -60.2587
Hunter-Lab	70.3210, -18.6460, -23.2511

Details

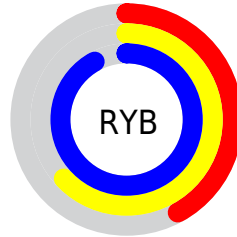
The Yxy color **49.4505, 0.2330, 0.2801** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.3563, 0.4505, 0.3701**, and the grayscale version is **42.5882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **23.6133, 0.2131, 0.2661** is the 20% darker color. If you saturate the color by 10%, you get **45.1905, 0.2218, 0.2694**, and if you desaturate by 10%, it is **54.2457, 0.2457, 0.2904**.

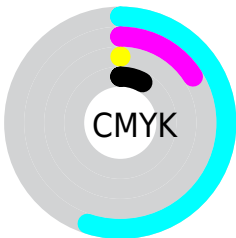
Distribution



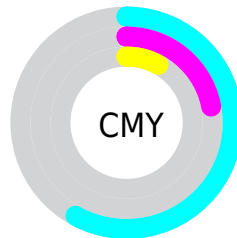
- Red (42%)
- Green (78%)
- Blue (92%)



- Red (42%)
- Yellow (63%)
- Blue (92%)



- Cyan (55%)
- Magenta (16%)
- Yellow (0%)
- Black (8%)





- Cyan (58%)
- Magenta (22%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.4505, 0.2330, 0.2801 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 49.4505, 0.2330, 0.2801 by changing the saturation by 10% instead.


 49.4505, 0.2330,
0.2801


 49.4505, 0.2330,
0.2801


384.5132, 0.2711,
0.3048

 34.9770, 0.2241,
0.2740


 89.3602, 0.2464,
0.2891

 23.6451, 0.2131,
0.2661


 115.5651, 0.2515,
0.2925

 15.0706, 0.1990,
0.2559


 146.4493, 0.2560,
0.2953

 8.8689, 0.1807,
0.2418

182.3972, 0.2598,
0.2978

 4.6558, 0.1560,
0.2218

223.7931, 0.2631,
0.2999

 2.0468, 0.1217,
0.1915

271.0215, 0.2661,

 0.6344, 0.0416,

0.3017

0.1438

324.4667, 0.2687,
0.3034

0.0000, 0.0000,
0.0000

49.4505, 0.2330,
0.2801

49.4505, 0.2330,
0.2801

45.1905, 0.2218,
0.2694

54.2457, 0.2457,
0.2904

41.4255, 0.2125,
0.2585

59.6016, 0.2597,
0.3002

38.1169, 0.2051,
0.2476


65.5483, 0.2745,
0.3094

35.2158, 0.1998,
0.2368

72.1119, 0.2897,
0.3178

33.8472, 0.1976,
0.2313

79.3167, 0.3052,
0.3255

 87.1854, 0.3206,
0.3325

 92.6722, 0.3253,
0.3390

 96.8293, 0.3247,
0.3454

 98.7772, 0.3244,
0.3483

Harmonies

Analogous

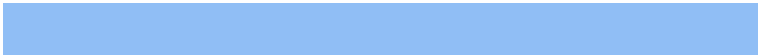
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.4505, 0.2395, 0.3146



49.4505, 0.2330, 0.2801



49.4505, 0.2457, 0.2616

Triad

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



49.4505, 0.2330, 0.2801



49.4505, 0.3610, 0.3013



49.4505, 0.3463, 0.4076

Complementary

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



49.4505, 0.2330, 0.2801



38.3563, 0.4505, 0.3701

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.



49.4505, 0.3819, 0.3971



49.4505, 0.2330, 0.2801



49.4505, 0.3917, 0.3351

Square

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



49.4505, 0.2330, 0.2801



49.4505, 0.3176, 0.2747



49.4505, 0.3992, 0.3697



49.4505, 0.3032, 0.3934

Rectangle

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



49.4505, 0.2330, 0.2801



49.4505, 0.2640, 0.2589



49.4505, 0.3992, 0.3697



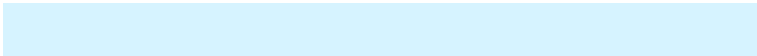
49.4505, 0.3596, 0.4066

Sweetspot

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



49.4523, 0.2330, 0.2801



85.8252, 0.2879, 0.3169



64.4447, 0.2875, 0.4566



18.0111, 0.2847, 0.3151



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.



49.4523, 0.2330, 0.2801



53.7237, 0.2204, 0.2679



26.1109, 0.2141, 0.1897



16.3493, 0.2981, 0.3221



19.0695, 0.1981, 0.2330



1.6605, 0.2022, 0.2479

Inverse Universe

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



32.0551, 0.3578, 0.2312



32.5194, 0.3710, 0.2160



63.3497, 0.4073, 0.4360



15.2358, 0.3182, 0.3123



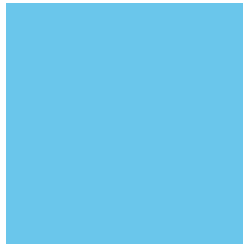
11.4179, 0.4095, 0.2030



0.9130, 0.3944, 0.1946

Previews

White Background



This preview shows how the Yxy color 49.4505, 0.2330, 0.2801 looks on a white background.

Color Contrast Check

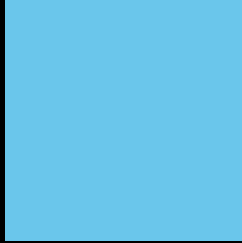
Large Text (above 18pt) WCAG AA × Fail

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 49.4505, 0.2330, 0.2801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

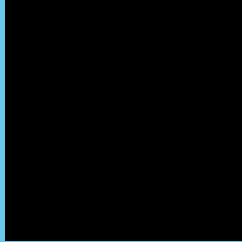
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4505, 0.2330, 0.2801

Background



This preview shows how black text looks on a background with the Yxy color 49.4505, 0.2330, 0.2801.



This preview shows how white text looks on a background with the Yxy color 49.4505, 0.2330, 0.2801.

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

49.4505, 0.2330, 0.2801

Protanopia

48.9473, 0.2768, 0.2786

Deuteranopia

48.8591, 0.2683, 0.2618



Tritanopia

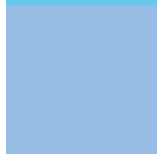
49.4357, 0.2393, 0.3068

Trichromacy



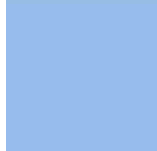
Original Color

49.4505, 0.2330, 0.2801



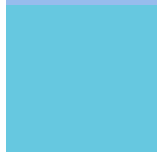
Protanomaly

48.6316, 0.2579, 0.2781



Deuteranomaly

48.6602, 0.2532, 0.2677



Tritanomaly

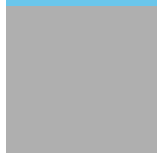
49.5152, 0.2369, 0.2963

Monochromacy



Original Color

49.4505, 0.2330, 0.2801



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

44.3822, 0.2763, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4505, 0.2330, 0.2801 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(106, 198, 235)` looks like.

```
.text, #text, p{  
    color:rgb(106, 198, 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(106, 198, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 198, 235) }
```

Border

The CSS property to change the border of an element to Yxy 49.4505, 0.2330, 0.2801 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(106, 198, 235) }
```

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

```
.border{ border-color:rgb(106, 198, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 198, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 198, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 198, 235);  
box-shadow:4px 4px 4px 4px rgb(106, 198,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4505, 0.2330, 0.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 198, 235) }
```

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

```
.background{ background-color: rgb(106,  
198, 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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