

Converting Colors

$Y_{xy}(48.9927, 0.2355, 0.2821)$

Have a look what the booklet for
Yxy(48.9927, 0.2355, 0.2821)
contains.

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Color

Yxy(49.0737, 0.2358, 0.2825)

Conversions

Conversions Part 1

Format	Color
Hex	6EC5E8
RGB	110, 197, 232
RGB Percent	43%, 77%, 91%
CMY	0.5688, 0.2274, 0.0901
CMYK	0.53, 0.15, 0.00, 0.09
HSL	197°, 73%, 67%
HSV	197°, 53%, 91%
XYZ	40.9613, 49.0737, 83.6772
YIQ	174.9770, -63.0870, -7.5590

Conversions

Conversions Part 2

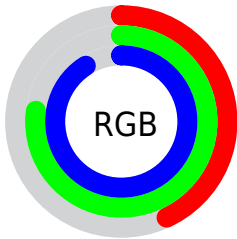
Format	Color
R_{YB}	110, 161, 232
Decimal	7259624
CIE _{Lab}	75.50, -16.71, -25.44
CIE _{LCh}	75, 30.439, 236.699
Yxy	49.0737, 0.2358, 0.2825
Android (android.graphics.Color)	4285449704 (0xFF6EC5E8)
YUV	174.9770, 28.1123, -56.9848
Hunter-Lab	70.0526, -18.2191, -21.7845

Details

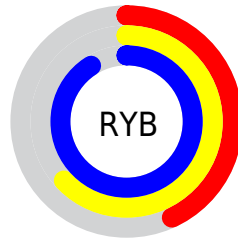
The Yxy color **49.0737, 0.2358, 0.2825** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.5321, 0.4423, 0.3687**, and the grayscale version is **42.7307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5386, 0.2646, 0.3278**, and **23.3604, 0.2166, 0.2693** is the 20% darker color. If you saturate the color by 10%, you get **44.8205, 0.2242, 0.2719**, and if you desaturate by 10%, it is **53.8536, 0.2488, 0.2927**.

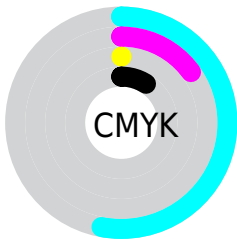
Distribution



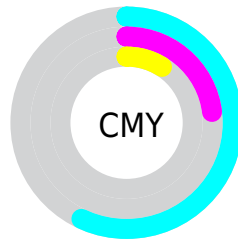
- Red (43%)
- Green (77%)
- Blue (91%)



- Red (43%)
- Yellow (63%)
- Blue (91%)



- Cyan (53%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)




- Cyan (57%)
- Magenta (23%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0737, 0.2358, 0.2825 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 49.0737, 0.2358, 0.2825 by changing the saturation by 10% instead.


 49.0737, 0.2358,
0.2825


 49.0737, 0.2358,
0.2825


383.0324, 0.2726,
0.3061

 34.6779, 0.2272,
0.2766


 88.8009, 0.2488,
0.2911

 23.4149, 0.2164,
0.2691


 114.9011, 0.2538,
0.2943

 14.9002, 0.2027,
0.2592

 145.6717, 0.2581,
0.2970

 8.7493, 0.1846,
0.2457

181.4969, 0.2618,
0.2993

 4.5781, 0.1602,
0.2262

222.7612, 0.2650,
0.3014

 2.0019, 0.1259,
0.1965

269.8489, 0.2679,

 0.6086, 0.0415,

0.3031

0.1483

323.1445, 0.2704,
0.3047

0.0000, 0.0000,
0.0000

49.0737, 0.2358,
0.2825

49.0737, 0.2358,
0.2825

44.8205, 0.2242,
0.2719

53.8536, 0.2488,
0.2927

41.0558, 0.2144,
0.2610

59.1841, 0.2630,
0.3024

37.7437, 0.2066,
0.2501


65.0940, 0.2779,
0.3114

34.8391, 0.2008,
0.2392


71.6080, 0.2932,
0.3196

32.9025, 0.1976,
0.2313

78.7494, 0.3087,
0.3272

 86.5399, 0.3240,
0.3339

 91.5528, 0.3273,
0.3404

 95.6232, 0.3266,
0.3467

 98.6078, 0.3262,
0.3512

Harmonies

Analogous

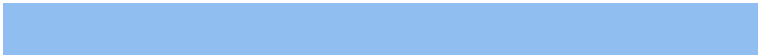
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.0737, 0.2424, 0.3160



49.0737, 0.2358, 0.2825



49.0737, 0.2478, 0.2642

Triad

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



49.0737, 0.2358, 0.2825



49.0737, 0.3584, 0.3018



49.0737, 0.3458, 0.4045

Complementary

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



49.0737, 0.2358, 0.2825



38.5321, 0.4423, 0.3687

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.



49.0737, 0.3798, 0.3943



49.0737, 0.2358, 0.2825



49.0737, 0.3882, 0.3344

Square

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



49.0737, 0.2358, 0.2825



49.0737, 0.3168, 0.2763



49.0737, 0.3959, 0.3678



49.0737, 0.3044, 0.3912

Rectangle

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



49.0737, 0.2358, 0.2825



49.0737, 0.2653, 0.2614



49.0737, 0.3959, 0.3678



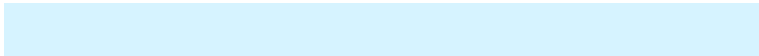
49.0737, 0.3585, 0.4035

Sweetspot

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



49.0755, 0.2358, 0.2825



85.8234, 0.2879, 0.3168



63.0721, 0.2881, 0.4502



18.0107, 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.



49.0755, 0.2358, 0.2825



55.1733, 0.2235, 0.2711



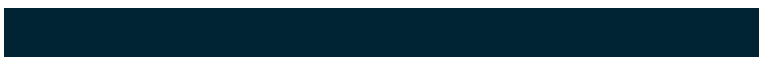
26.8648, 0.2184, 0.1965



15.6009, 0.2981, 0.3221



18.4870, 0.1981, 0.2331



1.5231, 0.2024, 0.2487

Inverse Universe

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



32.3361, 0.3552, 0.2347



33.9266, 0.3674, 0.2196



62.2265, 0.4033, 0.4322



14.5410, 0.3182, 0.3124



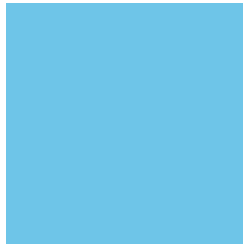
11.0640, 0.4094, 0.2029



0.8334, 0.3935, 0.1941

Previews

White Background



This preview shows how the Yxy color 49.0737, 0.2358, 0.2825 looks on a white background.

Color Contrast Check

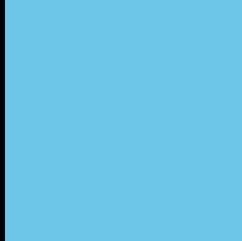
Large Text (above 18pt) WCAG AA × Fail

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 49.0737, 0.2358, 0.2825 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 49.0737, 0.2358, 0.2825

Background



This preview shows how black text looks on a background with the Yxy color 49.0737, 0.2358, 0.2825.

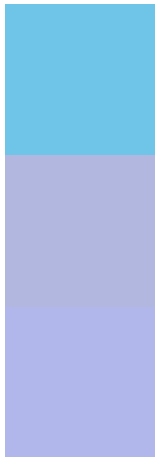


This preview shows how white text looks on a background with the Yxy color 49.0737, 0.2358, 0.2825.

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

49.0737, 0.2358, 0.2825

Protanopia

48.4880, 0.2794, 0.2808

Deuteranopia

48.8012, 0.2709, 0.2652



Tritanopia

49.2095, 0.2416, 0.3068

Trichromacy



Original Color

49.0737, 0.2358, 0.2825

Protanomaly

48.2297, 0.2608, 0.2804

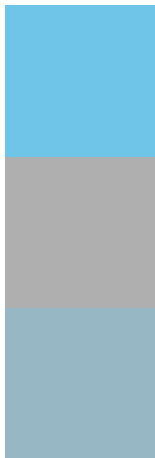
Deuteranomaly

48.2535, 0.2560, 0.2699

Tritanomaly

49.1849, 0.2393, 0.2976

Monochromacy



Original Color

49.0737, 0.2358, 0.2825

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.4318, 0.2777, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0737, 0.2358, 0.2825 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(110, 197, 232)` looks like.

```
.text, #text, p{  
    color:rgb(110, 197, 232)  
}
```

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(110, 197, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 197, 232) }
```

Border

The CSS property to change the border of an element to Yxy 49.0737, 0.2358, 0.2825 is called "border". The border property can be set on classes, ids or directly on the HTML element.

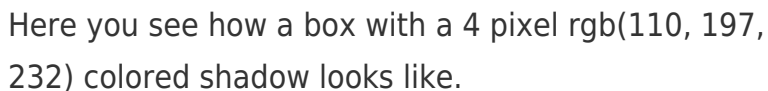
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 197, 232) }
```

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

```
.border{ border-color:rgb(110, 197, 232) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 197, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 197, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 197, 232);  
box-shadow:4px 4px 4px 4px rgb(110, 197,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0737, 0.2358, 0.2825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 197, 232) }
```

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

```
.background{ background-color: rgb(110,  
197, 232) }
```

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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