

Converting Colors

$Y_{xy}(48.5760, 0.2420, 0.2991)$

Have a look what the booklet for
Yxy(48.5760, 0.2420, 0.2991)
contains.

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Color

Yxy(48.3620, 0.2421, 0.2988)

Conversions

Conversions Part 1

Format	Color
Hex	6EC5DB
RGB	110, 197, 219
RGB Percent	43%, 77%, 86%
CMY	0.5687, 0.2274, 0.1411
CMYK	0.50, 0.10, 0.00, 0.14
HSL	192°, 60%, 65%
HSV	192°, 50%, 86%
XYZ	39.1849, 48.3620, 74.3072
YIQ	173.4950, -58.9140, -11.6020

Conversions

Conversions Part 2

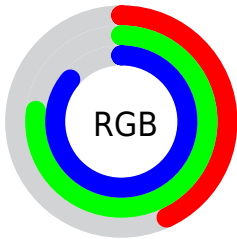
Format	Color
R _{YB}	110, 158, 219
Decimal	7259611
CIE Lab	75.05, -20.34, -19.10
CIE LCh	75, 27.897, 223.199
Yxy	48.3620, 0.2421, 0.2988
Android (android.graphics.Color)	4285449691 (0xFF6EC5DB)
YUV	173.4950, 22.4340, -55.6851
Hunter-Lab	69.5428, -21.1215, -14.6720

Details

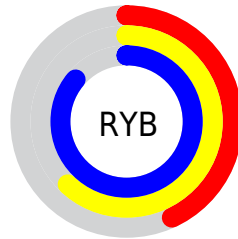
The Yxy color **48.3620, 0.2421, 0.2988** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.6990, 0.4383, 0.3557**, and the grayscale version is **41.9616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4285, 0.2641, 0.3278**, and **22.9536, 0.2237, 0.2894** is the 20% darker color. If you saturate the color by 10%, you get **45.1481, 0.2312, 0.2916**, and if you desaturate by 10%, it is **51.9857, 0.2545, 0.3057**.

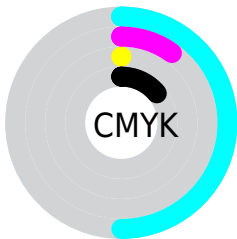
Distribution



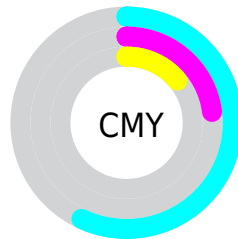
- Red (43%)
- Green (77%)
- Blue (86%)



- Red (43%)
- Yellow (62%)
- Blue (86%)



- Cyan (50%)
- Magenta (10%)
- Yellow (0%)
- Black (14%)




- Cyan (57%)
- Magenta (23%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3620, 0.2421, 0.2988 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 48.3620, 0.2421, 0.2988 by changing the saturation by 10% instead.


 48.3620, 0.2421,
0.2988

 48.3620, 0.2421,
0.2988

380.2252, 0.2762,
0.3145


 34.1137, 0.2340,
0.2947

 87.7431, 0.2542,
0.3046

 22.9809, 0.2239,
0.2894


 113.6447, 0.2588,
0.3068

 14.5794, 0.2108,
0.2823


 144.1995, 0.2628,
0.3086

 8.5248, 0.1935,
0.2723

179.7919, 0.2662,
0.3102

 4.4325, 0.1695,
0.2572

220.8062, 0.2692,
0.3115

 1.9183, 0.1349,
0.2326

267.6270, 0.2718,

 0.5594, 0.0121,

0.3126

0.1923

320.6385, 0.2741,
0.3136

0.0000, 0.0000,
0.0000

48.3620, 0.2421,
0.2988

48.3620, 0.2421,
0.2988

45.1481, 0.2312,
0.2916

51.9857, 0.2545,
0.3057

42.3120, 0.2222,
0.2843

56.0377, 0.2681,
0.3122

39.8252, 0.2150,
0.2769

60.5415, 0.2826,
0.3183

37.6521, 0.2098,
0.2695

65.5175, 0.2977,
0.3240


35.7309, 0.2062,
0.2622


70.9844, 0.3131,
0.3291

 35.6902, 0.2061,
0.2620

 76.9602, 0.3285,
0.3337

 81.8502, 0.3377,
0.3380

 84.3159, 0.3370,
0.3424

 86.8443, 0.3364,
0.3467

Harmonies

Analogous

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



48.3620, 0.2561, 0.3341



48.3620, 0.2421, 0.2988



48.3620, 0.2455, 0.2749

Triad

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



48.3620, 0.2421, 0.2988



48.3620, 0.3383, 0.2921



48.3620, 0.3590, 0.3967

Complementary

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



48.3620, 0.2421, 0.2988



32.6990, 0.4383, 0.3557

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.



48.3620, 0.3838, 0.3799



48.3620, 0.2421, 0.2988



48.3620, 0.3720, 0.3202

Square

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



48.3620, 0.2421, 0.2988



48.3620, 0.2990, 0.2728



48.3620, 0.3889, 0.3516



48.3620, 0.3226, 0.3942

Rectangle

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



48.3620, 0.2421, 0.2988



48.3620, 0.2572, 0.2674



48.3620, 0.3889, 0.3516



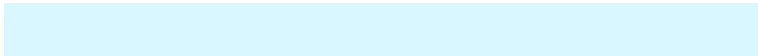
48.3620, 0.3690, 0.3929

Sweetspot

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



48.3638, 0.2421, 0.2988



88.6217, 0.2896, 0.3210



55.6538, 0.2940, 0.4555



18.6535, 0.2864, 0.3198



0.0000, 0.0000, 0.0000



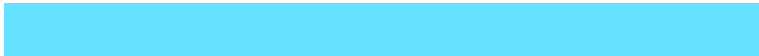
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.3638, 0.2421, 0.2988



63.4042, 0.2305, 0.2911



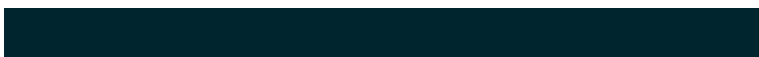
27.9871, 0.2267, 0.2188



14.3594, 0.2982, 0.3242



21.3154, 0.2064, 0.2631



1.4965, 0.2097, 0.2750

Inverse Universe

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



30.2466, 0.3415, 0.2302



36.1494, 0.3497, 0.2126



51.4429, 0.4032, 0.4177



13.2274, 0.3168, 0.3105



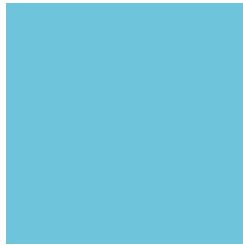
10.7756, 0.3794, 0.1864



0.7098, 0.3681, 0.1801

Previews

White Background



This preview shows how the Yxy color 48.3620, 0.2421, 0.2988 looks on a white background.

Color Contrast Check

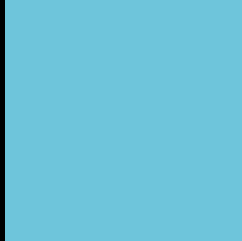
Large Text (above 18pt) WCAG AA × Fail

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 48.3620, 0.2421, 0.2988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

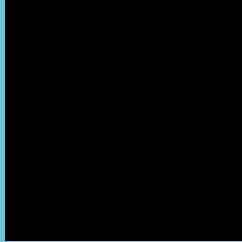
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.3620, 0.2421, 0.2988

Background



This preview shows how black text looks on a background with the Yxy color 48.3620, 0.2421, 0.2988.



This preview shows how white text looks on a background with the Yxy color 48.3620, 0.2421, 0.2988.

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

48.3620, 0.2421, 0.2988

Protanopia

47.6431, 0.2899, 0.2950

Deuteranopia

47.9153, 0.2823, 0.2764



Tritanopia

48.4314, 0.2440, 0.3068

Trichromacy



Original Color

48.3620, 0.2421, 0.2988

Protanomaly

47.2148, 0.2692, 0.2949

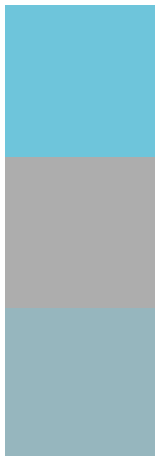
Deuteranomaly

47.4597, 0.2649, 0.2828

Tritanomaly

48.5972, 0.2434, 0.3041

Monochromacy



Original Color

48.3620, 0.2421, 0.2988

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.6576, 0.2810, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3620, 0.2421, 0.2988 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(110, 197, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 197, 219) }
```

Border

The CSS property to change the border of an element to Yxy 48.3620, 0.2421, 0.2988 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, 219) }
```

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

```
.border{ border-color:rgb(110, 197, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 197, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 197, 219);  
box-shadow:4px 4px 4px 4px rgb(110, 197,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3620, 0.2421, 0.2988 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, 219) }
```

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

```
.background{ background-color: rgb(110,  
197, 219) }
```

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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