

Converting Colors

$Yxy(47.9375, 0.2428, 0.3033)$

Have a look what the booklet for
Yxy(47.9375, 0.2428, 0.3033)
contains.

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Color

Yxy(48.0269, 0.2432, 0.3040)

Conversions

Conversions Part 1

Format	Color
Hex	6CC5D7
RGB	108, 197, 215
RGB Percent	42%, 77%, 84%
CMY	0.5762, 0.2275, 0.1569
CMYK	0.50, 0.08, 0.00, 0.16
HSL	190°, 57%, 63%
HSV	190°, 50%, 84%
XYZ	38.4215, 48.0269, 71.5348
YIQ	172.4410, -58.8220, -13.2700

Conversions

Conversions Part 2

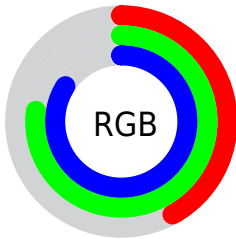
Format	Color
R _{YB}	108, 157, 215
Decimal	7128535
CIE Lab	74.84, -21.86, -17.24
CIE LCh	75, 27.842, 218.265
Yxy	48.0269, 0.2432, 0.3040
Android (android.graphics.Color)	4285318615 (0xFF6CC5D7)
YUV	172.4410, 20.9816, -56.5148
Hunter-Lab	69.3014, -22.3151, -12.6897

Details

The Yxy color **48.0269, 0.2432, 0.3040** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.4706, 0.4404, 0.3513**, and the grayscale version is **41.4120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2106, 0.2632, 0.3278**, and **22.7638, 0.2252, 0.2964** is the 20% darker color. If you saturate the color by 10%, you get **45.2176, 0.2328, 0.2981**, and if you desaturate by 10%, it is **51.2118, 0.2552, 0.3097**.

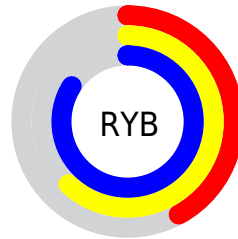
Distribution



Red (42%)

Green (77%)

Blue (84%)



Red (42%)

Yellow (62%)

Blue (84%)

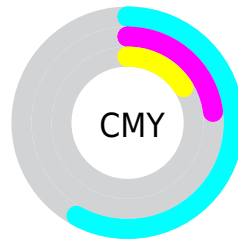


Cyan (50%)

Magenta (8%)

Yellow (0%)

Black (16%)



Cyan (58%)


Magenta (23%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0269, 0.2432, 0.3040 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 48.0269, 0.2432, 0.3040 by changing the saturation by 10% instead.

 48.0269, 0.2432,
0.3040


 48.0269, 0.2432,
0.3040


378.8987, 0.2768,
0.3172

 33.8482, 0.2352,
0.3005


 87.2445, 0.2552,
0.3089

 22.7770, 0.2251,
0.2960


 113.0521, 0.2597,
0.3108

 14.4289, 0.2121,
0.2898


 143.5048, 0.2636,
0.3123

 8.4196, 0.1948,
0.2809

178.9870, 0.2670,
0.3136

 4.3646, 0.1708,
0.2674

219.8832, 0.2699,
0.3147

 1.8795, 0.1358,
0.2449

266.5775, 0.2725,

 0.5360, 0.0000,

0.3156

0.2075

319.4546, 0.2748,
0.3165

0.0000, 0.0000,
0.0000

48.0269, 0.2432,
0.3040

48.0269, 0.2432,
0.3040

45.2176, 0.2328,
0.2981

51.2118, 0.2552,
0.3097

42.7531, 0.2242,
0.2921

54.7894, 0.2685,
0.3151

40.6068, 0.2174,
0.2860

58.7822, 0.2828,
0.3202

38.7448, 0.2127,
0.2800

63.2092, 0.2978,
0.3248


37.1080, 0.2095,
0.2740

68.0885, 0.3131,
0.3291

 37.0664, 0.2094,
0.2738

 73.4366, 0.3286,
0.3330

 78.5875, 0.3413,
0.3365

 80.5351, 0.3407,
0.3401

 82.5243, 0.3402,
0.3437

Harmonies

Analogous

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



48.0269, 0.2599, 0.3404



48.0269, 0.2432, 0.3040



48.0269, 0.2437, 0.2778

Triad

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



48.0269, 0.2432, 0.3040



48.0269, 0.3319, 0.2882



48.0269, 0.3641, 0.3951

Complementary

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



48.0269, 0.2432, 0.3040



30.4706, 0.4404, 0.3513

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.



48.0269, 0.3861, 0.3758



48.0269, 0.2432, 0.3040



48.0269, 0.3673, 0.3152

Square

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



48.0269, 0.2432, 0.3040



48.0269, 0.2929, 0.2708



48.0269, 0.3876, 0.3465



48.0269, 0.3290, 0.3962

Rectangle

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



48.0269, 0.2432, 0.3040



48.0269, 0.2537, 0.2686



48.0269, 0.3876, 0.3465



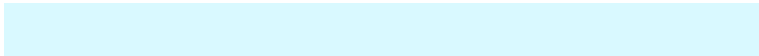
48.0269, 0.3734, 0.3903

Sweetspot

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



48.0287, 0.2432, 0.3040



89.4129, 0.2896, 0.3224



53.2968, 0.2960, 0.4605



18.8456, 0.2864, 0.3213



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.



48.0287, 0.2432, 0.3040



66.2155, 0.2320, 0.2976



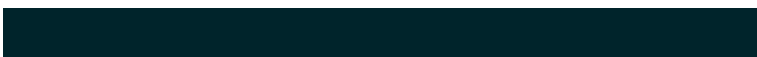
27.9569, 0.2279, 0.2245



13.7353, 0.2983, 0.3250



22.3053, 0.2097, 0.2747



1.4418, 0.2125, 0.2851

Inverse Universe

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



29.2166, 0.3374, 0.2267



36.4332, 0.3443, 0.2085



47.9139, 0.4052, 0.4137



12.5951, 0.3163, 0.3098



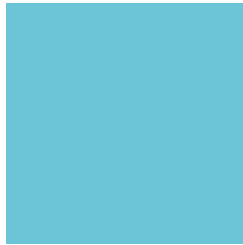
10.5966, 0.3684, 0.1803



0.6489, 0.3588, 0.1750

Previews

White Background



This preview shows how the Yxy color 48.0269, 0.2432, 0.3040 looks on a white background.

Color Contrast Check

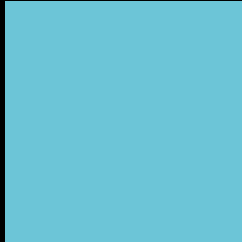
Large Text (above 18pt) WCAG AA × Fail

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 48.0269, 0.2432, 0.3040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

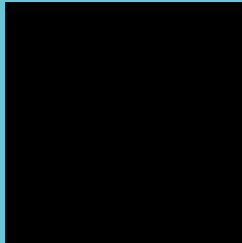
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0269, 0.2432, 0.3040

Background



This preview shows how black text looks on a background with the Yxy color 48.0269, 0.2432, 0.3040.



This preview shows how white text looks on a background with the Yxy color 48.0269, 0.2432, 0.3040.

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

48.0269, 0.2432, 0.3040

Protanopia

47.5670, 0.2936, 0.2999

Deuteranopia

47.4220, 0.2858, 0.2798



Tritanopia

47.8624, 0.2437, 0.3066

Trichromacy



Original Color

48.0269, 0.2432, 0.3040

Protanomaly

47.0141, 0.2718, 0.2999

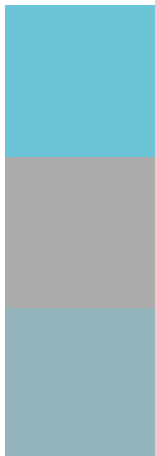
Deuteranomaly

47.2477, 0.2673, 0.2876

Tritanomaly

47.9133, 0.2432, 0.3053

Monochromacy



Original Color

48.0269, 0.2432, 0.3040

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.0681, 0.2815, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0269, 0.2432, 0.3040 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(108, 197, 215)` looks like.

```
.text, #text, p{  
    color:rgb(108, 197, 215)  
}
```

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(108, 197, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 197, 215) }
```

Border

The CSS property to change the border of an element to Yxy 48.0269, 0.2432, 0.3040 is called "border". The border property can be set on classes, ids or directly on the HTML element.

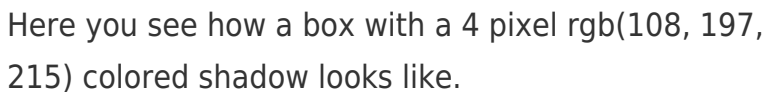
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 197, 215) }
```

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

```
.border{ border-color:rgb(108, 197, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 197, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 197, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 197, 215);  
box-shadow:4px 4px 4px 4px rgb(108, 197,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0269, 0.2432, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 197, 215) }
```

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

```
.background{ background-color: rgb(108,  
197, 215) }
```

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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