

Converting Colors

$Yxy(47.3995, 0.2246, 0.2855)$

Have a look what the booklet for
Yxy(47.3995, 0.2246, 0.2855)
contains.

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Color

Yxy(47.6231, 0.2248, 0.2862)

Conversions

Conversions Part 1

Format	Color
Hex	4DC6E5
RGB	77, 198, 229
RGB Percent	30%, 78%, 90%
CMY	0.6976, 0.2236, 0.1019
CMYK	0.66, 0.14, 0.00, 0.10
HSL	192°, 75%, 60%
HSV	192°, 66%, 90%
XYZ	37.4063, 47.6231, 81.3686
YIQ	165.3550, -82.0670, -16.0110

Conversions

Conversions Part 2

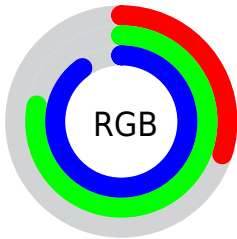
Format	Color
RYB	77, 144, 229
Decimal	5097189
CIELab	74.59, -24.05, -25.31
CIELCh	75, 34.911, 226.468
Yxy	47.6231, 0.2248, 0.2862
Android (android.graphics.Color)	4283287269 (0xFF4DC6E5)
YUV	165.3550, 31.3770, -77.4873
Hunter-Lab	69.0095, -24.0115, -21.6018

Details

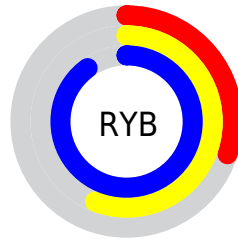
The Yxy color **47.6231, 0.2248, 0.2862** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **27.9551, 0.5046, 0.3613**, and the grayscale version is **37.6966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4908, 0.2528, 0.3288**, and **22.9636, 0.2097, 0.2749** is the 20% darker color. If you saturate the color by 10%, you get **44.7266, 0.2169, 0.2787**, and if you desaturate by 10%, it is **50.9245, 0.2346, 0.2936**.

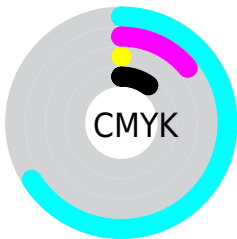
Distribution



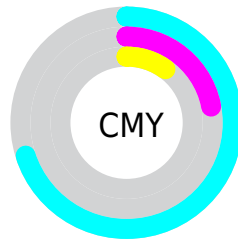
- Red (30%)
- Green (78%)
- Blue (90%)



- Red (30%)
- Yellow (56%)
- Blue (90%)



- Cyan (66%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)



- Cyan (70%)
- Magenta (22%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6231, 0.2248, 0.2862 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 47.6231, 0.2248, 0.2862 by changing the saturation by 10% instead.

47.6231, 0.2248,
0.2862

47.6231, 0.2248,
0.2862

377.2962, 0.2669,
0.3085

33.5285, 0.2150,
0.2805

86.6430, 0.2396,
0.2944

22.5316, 0.2028,
0.2731

112.3370, 0.2453,
0.2975

14.2480, 0.1873,
0.2632

142.6664, 0.2502,
0.3001

8.2934, 0.1670,
0.2495

178.0154, 0.2544,
0.3022

4.2833, 0.1399,
0.2294

218.7685, 0.2581,
0.3041

1.8332, 0.1029,
0.1981

265.3101, 0.2614,

0.5078, 0.0000,

0.3058

0.1423

318.0245, 0.2643,
0.3072

■ 0.0000, 0.0000,
0.0000

■ 47.6231, 0.2248,
0.2862

■ 47.6231, 0.2248,
0.2862

■ 44.7266, 0.2169,
0.2787

■ 50.9245, 0.2346,
0.2936

■ 42.1922, 0.2111,
0.2712

■ 54.6579, 0.2460,
0.3008


■ 39.9748, 0.2071,
0.2637

■ 58.8534, 0.2589,
0.3077

■ 39.2124, 0.2058,
0.2610

■ 63.5369, 0.2729,
0.3142

■ 68.7322, 0.2877,
0.3202

 74.4612, 0.3029,
0.3258

 80.7446, 0.3184,
0.3308

 86.5773, 0.3301,
0.3354

 89.2983, 0.3296,
0.3399

Harmonies

Analogous

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



47.6231, 0.2393, 0.3294



47.6231, 0.2248, 0.2862



47.6231, 0.2313, 0.2593

Triad

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



47.6231, 0.2248, 0.2862



47.6231, 0.3498, 0.2866



47.6231, 0.3655, 0.4153

Complementary

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



47.6231, 0.2248, 0.2862



27.9551, 0.5046, 0.3613

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.



47.6231, 0.3992, 0.3947



47.6231, 0.2248, 0.2862



47.6231, 0.3910, 0.3214

Square

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



47.6231, 0.2248, 0.2862



47.6231, 0.3004, 0.2617



47.6231, 0.4094, 0.3600



47.6231, 0.3190, 0.4104

Rectangle

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



47.6231, 0.2248, 0.2862



47.6231, 0.2469, 0.2521



47.6231, 0.4094, 0.3600



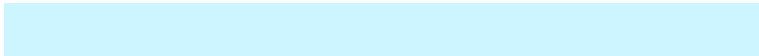
47.6231, 0.3787, 0.4107

Sweetspot

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



47.6248, 0.2248, 0.2862



85.1089, 0.2820, 0.3180



58.7079, 0.2910, 0.5058



17.8165, 0.2778, 0.3163



0.0000, 0.0000, 0.0000



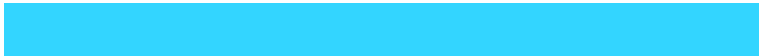
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6248, 0.2248, 0.2862



55.6755, 0.2143, 0.2756



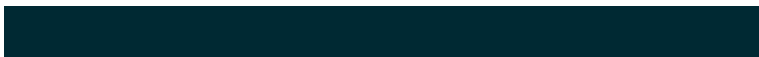
21.3281, 0.1979, 0.1740



15.8100, 0.2981, 0.3241



22.5904, 0.2062, 0.2622



1.7961, 0.2092, 0.2730

Inverse Universe

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



26.0619, 0.3549, 0.2047



28.4482, 0.3663, 0.1913



51.2532, 0.4362, 0.4411



14.5621, 0.3169, 0.3105



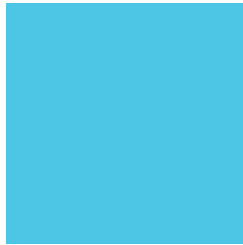
11.4782, 0.3803, 0.1869



0.8610, 0.3700, 0.1812

Previews

White Background



This preview shows how the Yxy color 47.6231, 0.2248, 0.2862 looks on a white background.

Color Contrast Check

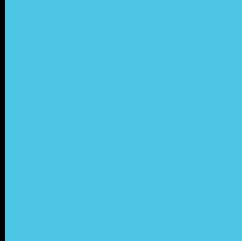
Large Text (above 18pt) WCAG AA × Fail

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 47.6231, 0.2248, 0.2862 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 47.6231, 0.2248, 0.2862

Background



This preview shows how black text looks on a background with the Yxy color 47.6231, 0.2248, 0.2862.

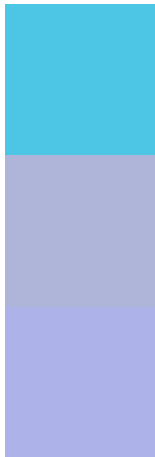


This preview shows how white text looks on a background with the Yxy color 47.6231, 0.2248, 0.2862.

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

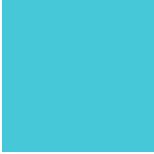
47.6231, 0.2248, 0.2862

Protanopia

47.1715, 0.2812, 0.2838

Deuteranopia

47.0076, 0.2690, 0.2631



Tritanopia

47.5685, 0.2289, 0.3061

Trichromacy



Original Color

47.6231, 0.2248, 0.2862

Protanomaly

46.2501, 0.2546, 0.2840

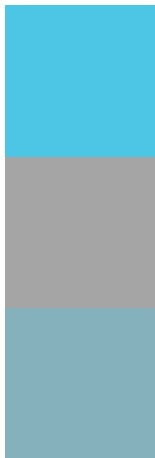
Deuteranomaly

46.3473, 0.2477, 0.2695

Tritanomaly

47.4838, 0.2273, 0.2979

Monochromacy



Original Color

47.6231, 0.2248, 0.2862

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

40.0617, 0.2693, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6231, 0.2248, 0.2862 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(77, 198, 229)` looks like.

```
.text, #text, p{  
    color:rgb(77, 198, 229)  
}
```

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(77, 198, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 198, 229) }
```

Border

The CSS property to change the border of an element to Yxy 47.6231, 0.2248, 0.2862 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(77, 198, 229) }
```

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

```
.border{ border-color:rgb(77, 198, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 198, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 198, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 198, 229);  
box-shadow:4px 4px 4px 4px rgb(77, 198,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6231, 0.2248, 0.2862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 198, 229) }
```

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

```
.background{ background-color: rgb(77, 198,  
229) }
```

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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