

Converting Colors

$Yxy(47.9015, 0.2256, 0.2967)$

Have a look what the booklet for
Yxy(47.9015, 0.2256, 0.2967)
contains.

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Color

Yxy(47.9015, 0.2256, 0.2967)

Conversions

Conversions Part 1

Format	Color
Hex	45C8DF
RGB	69, 200, 223
RGB Percent	27%, 78%, 87%
CMY	0.7296, 0.2156, 0.1256
CMYK	0.69, 0.10, 0.00, 0.13
HSL	189°, 71%, 57%
HSV	189°, 69%, 87%
XYZ	36.4226, 47.9015, 77.1235
YIQ	163.4530, -85.4590, -20.6190

Conversions

Conversions Part 2

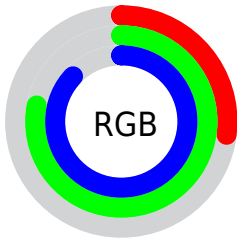
Format	Color
R _Y B	69, 140, 223
Decimal	4573407
CIE Lab	74.76, -28.05, -21.79
CIE LCh	75, 35.518, 217.850
Yxy	47.9015, 0.2256, 0.2967
Android (android.graphics.Color)	4282763487 (0xFF45C8DF)
YUV	163.4530, 29.3567, -82.8353
Hunter-Lab	69.2109, -27.1826, -17.6207

Details

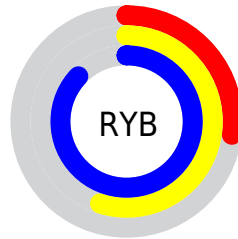
The Yxy color **47.9015, 0.2256, 0.2967** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.7550, 0.5239, 0.3523**, and the grayscale version is **36.7344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **23.3849, 0.2132, 0.2874** is the 20% darker color. If you saturate the color by 10%, you get **45.7122, 0.2191, 0.2914**, and if you desaturate by 10%, it is **50.4340, 0.2341, 0.3020**.

Distribution



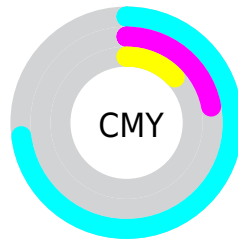
- Red (27%)
- Green (78%)
- Blue (87%)



- Red (27%)
- Yellow (55%)
- Blue (87%)



- Cyan (69%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)





- Cyan (73%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9015, 0.2256, 0.2967 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 47.9015, 0.2256, 0.2967 by changing the saturation by 10% instead.


 47.9015, 0.2256,
0.2967


 47.9015, 0.2256,
0.2967

378.4016, 0.2673,
0.3140


 33.7489, 0.2158,
0.2921


 87.0577, 0.2403,
0.3032

 22.7008, 0.2037,
0.2862


 112.8301, 0.2460,
0.3056

 14.3727, 0.1882,
0.2781


 143.2446, 0.2508,
0.3075

 8.3803, 0.1679,
0.2666

 178.6855, 0.2550,
0.3092

 4.3393, 0.1406,
0.2492

219.5373, 0.2587,
0.3107

 1.8651, 0.1030,
0.2210

266.1843, 0.2619,

 0.5273, 0.0000,

0.3119

0.1686

319.0109, 0.2648,
0.3130

■ 0.0000, 0.0000,
0.0000

■ 47.9015, 0.2256,
0.2967

■ 47.9015, 0.2256,
0.2967

■ 45.7122, 0.2191,
0.2914

■ 50.4340, 0.2341,
0.3020

■ 43.8242, 0.2144,
0.2861

■ 53.3352, 0.2444,
0.3072

■ 42.1815, 0.2115,
0.2808

■ 56.6343, 0.2563,
0.3122

■ 42.0353, 0.2112,
0.2803

■ 60.3557, 0.2695,
0.3170

■ 64.5218, 0.2838,
0.3214

■ 69.1533, 0.2987,
0.3256

■ 74.2696, 0.3141,
0.3293

■ 79.8888, 0.3297,
0.3327

■ 83.1459, 0.3347,
0.3360

Harmonies

Analogous

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



47.9015, 0.2462, 0.3437



47.9015, 0.2256, 0.2967



47.9015, 0.2261, 0.2641

Triad

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



47.9015, 0.2256, 0.2967



47.9015, 0.3360, 0.2775



47.9015, 0.3779, 0.4128

Complementary

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



47.9015, 0.2256, 0.2967



23.7550, 0.5239, 0.3523

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.



47.9015, 0.4063, 0.3864



47.9015, 0.2256, 0.2967



47.9015, 0.3820, 0.3104

Square

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



47.9015, 0.2256, 0.2967



47.9015, 0.2865, 0.2562



47.9015, 0.4084, 0.3491



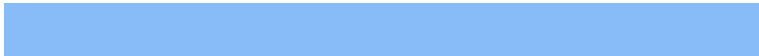
47.9015, 0.3331, 0.4163

Rectangle

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



47.9015, 0.2256, 0.2967



47.9015, 0.2381, 0.2531



47.9015, 0.4084, 0.3491



47.9015, 0.3898, 0.4059

Sweetspot

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



47.9033, 0.2256, 0.2967



86.2300, 0.2807, 0.3205



54.7579, 0.2950, 0.5269



18.1150, 0.2767, 0.3193



0.0000, 0.0000, 0.0000



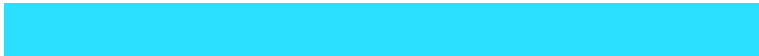
21.4041, 0.3127, 0.3290

Same Dimension

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



47.9033, 0.2256, 0.2967



60.7499, 0.2167, 0.2889



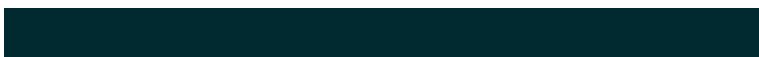
21.3664, 0.1975, 0.1823



15.2057, 0.2982, 0.3254



24.8529, 0.2114, 0.2811



1.8186, 0.2137, 0.2892

Inverse Universe

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



24.1059, 0.3463, 0.1942



28.3646, 0.3545, 0.1812



43.5699, 0.4503, 0.4338



13.8987, 0.3160, 0.3093



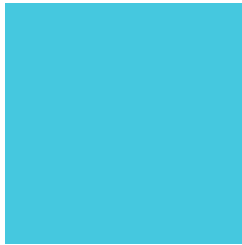
11.4170, 0.3624, 0.1770



0.8010, 0.3550, 0.1729

Previews

White Background



This preview shows how the Yxy color 47.9015, 0.2256, 0.2967 looks on a white background.

Color Contrast Check

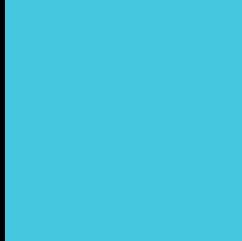
Large Text (above 18pt) WCAG AA × Fail

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 47.9015, 0.2256, 0.2967 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 47.9015, 0.2256, 0.2967

Background



This preview shows how black text looks on a background with the Yxy color 47.9015, 0.2256, 0.2967.



This preview shows how white text looks on a background with the Yxy color 47.9015, 0.2256, 0.2967.

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

47.9015, 0.2256, 0.2967

Protanopia

47.0480, 0.2876, 0.2923

Deuteranopia

47.1887, 0.2751, 0.2690



Tritanopia

47.9069, 0.2274, 0.3061

Trichromacy



Original Color

47.9015, 0.2256, 0.2967



Protanomaly

46.2760, 0.2577, 0.2927



Deuteranomaly

46.4349, 0.2512, 0.2779



Tritanomaly

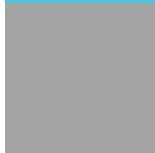
48.0460, 0.2268, 0.3034

Monochromacy



Original Color

47.9015, 0.2256, 0.2967



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

39.2206, 0.2683, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9015, 0.2256, 0.2967 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(69, 200, 223)` looks like.

```
.text, #text, p{  
    color:rgb(69, 200, 223)  
}
```

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(69, 200, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 200, 223) }
```

Border

The CSS property to change the border of an element to Yxy 47.9015, 0.2256, 0.2967 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(69, 200, 223) }
```

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

```
.border{ border-color:rgb(69, 200, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 200, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 200, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 200, 223);  
box-shadow:4px 4px 4px 4px rgb(69, 200,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9015, 0.2256, 0.2967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 200, 223) }
```

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

```
.background{ background-color: rgb(69, 200,  
223) }
```

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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