

Converting Colors

$Yxy(42.4966, 0.2241, 0.3105)$

Have a look what the booklet for
Yxy(42.4966, 0.2241, 0.3105)
contains.

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Color

Yxy(42.5511, 0.2242, 0.3106)

Conversions

Conversions Part 1

Format	Color
Hex	2AC0CC
RGB	42, 192, 204
RGB Percent	16%, 75%, 80%
CMY	0.8340, 0.2471, 0.1999
CMYK	0.79, 0.06, 0.00, 0.20
HSL	184°, 66%, 48%
HSV	184°, 79%, 80%
XYZ	30.7146, 42.5511, 63.7308
YIQ	148.5180, -93.2520, -28.0680

Conversions

Conversions Part 2

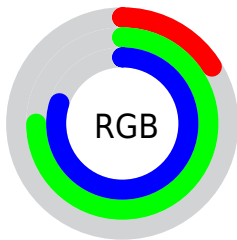
Format	Color
RYB	42, 120, 204
Decimal	2801868
CIELab	71.25, -32.96, -16.87
CIELCh	71, 37.026, 207.104
Yxy	42.5511, 0.2242, 0.3106
Android (android.graphics.Color)	4280991948 (0xFF2AC0CC)
YUV	148.5180, 27.3526, -93.4163
Hunter-Lab	65.2312, -30.1065, -12.2644

Details

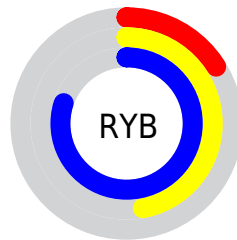
The Yxy color **42.5511, 0.2242, 0.3106** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **15.6811, 0.5773, 0.3395**, and the grayscale version is **29.7949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7533, 0.2422, 0.3218**, and **20.3790, 0.2178, 0.3042** is the 20% darker color. If you saturate the color by 10%, you get **41.5601, 0.2205, 0.3081**, and if you desaturate by 10%, it is **43.7714, 0.2298, 0.3131**.

Distribution



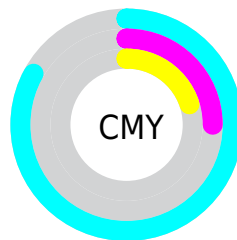
- Red (16%)
- Green (75%)
- Blue (80%)



- Red (16%)
- Yellow (47%)
- Blue (80%)



- Cyan (79%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)





- Cyan (83%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5511, 0.2242, 0.3106 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 42.5511, 0.2242, 0.3106 by changing the saturation by 10% instead.


 42.5511, 0.2242,
0.3106

 42.5511, 0.2242,
0.3106


356.7624, 0.2676,
0.3213

 29.5331, 0.2138,
0.3075


 79.0330, 0.2397,
0.3148

 19.4844, 0.2006,
0.3032


 103.2657, 0.2456,
0.3163


 12.0208, 0.1837,
0.2971


 132.0053, 0.2506,
0.3176

 6.7579, 0.1611,
0.2878

 165.6364, 0.2550,
0.3186

 3.3111, 0.1300,
0.2726

 204.5432, 0.2587,
0.3194

 1.2962, 0.0726,
0.2484

249.1102, 0.2620,

 0.1383, 0.0000,

0.3202

0.0912

299.7218, 0.2650,
0.3208

0.0000, 0.0000,
0.0000

42.5511, 0.2242,
0.3106

42.5511, 0.2242,
0.3106

41.5601, 0.2205,
0.3081

43.7714, 0.2298,
0.3131

40.7438, 0.2183,
0.3056

45.2455, 0.2372,
0.3157

40.6852, 0.2182,
0.3054

46.9995, 0.2466,
0.3182

49.0554, 0.2576,
0.3206

51.4325, 0.2701,
0.3230

■ 54.1489, 0.2839,
0.3252

■ 57.2210, 0.2986,
0.3272

■ 60.6644, 0.3139,
0.3291

■ 64.4934, 0.3295,
0.3309

Harmonies

Analogous

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



42.5511, 0.2538, 0.3642



42.5511, 0.2242, 0.3106



42.5511, 0.2167, 0.2689

Triad

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



42.5511, 0.2242, 0.3106



42.5511, 0.3180, 0.2637



42.5511, 0.3967, 0.4112

Complementary

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



42.5511, 0.2242, 0.3106



15.6811, 0.5773, 0.3395

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.



42.5511, 0.4186, 0.3767



42.5511, 0.2242, 0.3106



42.5511, 0.3716, 0.2950

Square

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



42.5511, 0.2242, 0.3106



42.5511, 0.2672, 0.2465



42.5511, 0.4097, 0.3350



42.5511, 0.3529, 0.4261

Rectangle

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



42.5511, 0.2242, 0.3106



42.5511, 0.2243, 0.2522



42.5511, 0.4097, 0.3350



42.5511, 0.4070, 0.4012

Sweetspot

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



42.5527, 0.2242, 0.3106



87.3118, 0.2768, 0.3241



43.9509, 0.2983, 0.5649



18.3492, 0.2719, 0.3233



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.



42.5527, 0.2242, 0.3106



67.8574, 0.2189, 0.3064



16.5350, 0.1891, 0.1766



12.5786, 0.2984, 0.3272



25.6632, 0.2183, 0.3058



1.3675, 0.2196, 0.3106

Inverse Universe

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



18.3242, 0.3354, 0.1743



27.6544, 0.3398, 0.1658



30.0461, 0.4826, 0.4284



11.3888, 0.3149, 0.3078



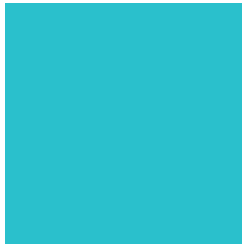
10.3937, 0.3404, 0.1649



0.5406, 0.3362, 0.1626

Previews

White Background



This preview shows how the Yxy color 42.5511, 0.2242, 0.3106 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 42.5511, 0.2242, 0.3106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

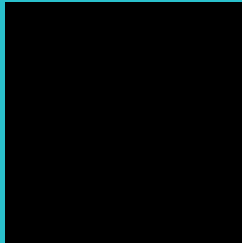
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

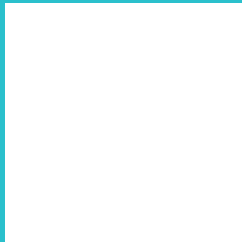
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.5511, 0.2242, 0.3106

Background



This preview shows how black text looks on a background with the Yxy color 42.5511, 0.2242, 0.3106.



This preview shows how white text looks on a background with the Yxy color 42.5511, 0.2242, 0.3106.

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

42.5511, 0.2242, 0.3106

Protanopia

41.9246, 0.2965, 0.3036

Deuteranopia

41.7500, 0.2836, 0.2772



Tritanopia

42.3245, 0.2231, 0.3048

Trichromacy



Original Color

42.5511, 0.2242, 0.3106



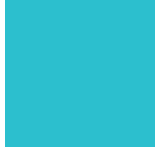
Protanomaly

40.5108, 0.2583, 0.3043



Deuteranomaly

40.3092, 0.2519, 0.2865



Tritanomaly

42.2533, 0.2233, 0.3062

Monochromacy



Original Color

42.5511, 0.2242, 0.3106



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

33.0898, 0.2635, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5511, 0.2242, 0.3106 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(42, 192, 204)` looks like.

```
.text, #text, p{  
    color:rgb(42, 192, 204)  
}
```

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(42, 192, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 192, 204) }
```

Border

The CSS property to change the border of an element to Yxy 42.5511, 0.2242, 0.3106 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(42, 192, 204) }
```

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

```
.border{ border-color:rgb(42, 192, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 192, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 192, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 192, 204);  
box-shadow:4px 4px 4px 4px rgb(42, 192,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5511, 0.2242, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 192, 204) }
```

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

```
.background{ background-color: rgb(42, 192,  
204) }
```

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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