

Converting Colors

$Y_{xy}(49.9831, 0.2530, 0.3429)$

Have a look what the booklet for
Yxy(49.9831, 0.2530, 0.3429)
contains.

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Color

Yxy(49.9056, 0.2531, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	66CCC2
RGB	102, 204, 194
RGB Percent	40%, 80%, 76%
CMY	0.5998, 0.2000, 0.2392
CMYK	0.50, 0.00, 0.05, 0.20
HSL	174°, 50%, 60%
HSV	174°, 50%, 80%
XYZ	36.8147, 49.9056, 58.7347
YIQ	172.3620, -57.5820, -24.7340

Conversions

Conversions Part 2

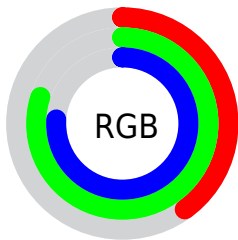
Format	Color
RYB	102, 156, 204
Decimal	6737090
CIELab	76.01, -32.13, -4.17
CIELCh	76, 32.398, 187.391
Yxy	49.9056, 0.2531, 0.3431
Android (android.graphics.Color)	4284927170 (0xFF66CCC2)
YUV	172.3620, 10.6675, -61.7075
Hunter-Lab	70.6439, -30.6051, 0.1559

Details

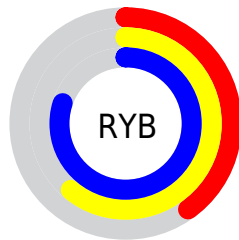
The Yxy color **49.9056, 0.2531, 0.3431** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.5210, 0.4387, 0.3167**, and the grayscale version is **41.4221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8957, 0.2628, 0.3344**, and **23.8300, 0.2366, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **48.7688, 0.2454, 0.3464**, and if you desaturate by 10%, it is **51.3408, 0.2625, 0.3399**.

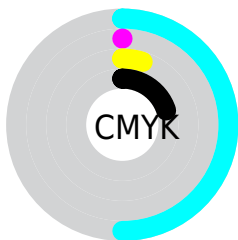
Distribution



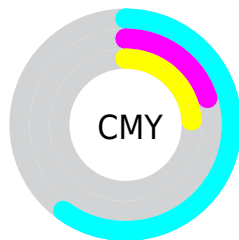
- Red (40%)
- Green (80%)
- Blue (76%)



- Red (40%)
- Yellow (61%)
- Blue (80%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)




- Cyan (60%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9056, 0.2531, 0.3431 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 49.9056, 0.2531, 0.3431 by changing the saturation by 10% instead.


 49.9056, 0.2531,
0.3431

 49.9056, 0.2531,
0.3431


386.2967, 0.2822,
0.3366

 35.3384, 0.2461,
0.3446


 90.0350, 0.2635,
0.3408

 23.9237, 0.2372,
0.3464


 116.3660, 0.2674,
0.3400

 15.2770, 0.2257,
0.3486


 147.3870, 0.2708,
0.3392

 9.0140, 0.2100,
0.3514

 183.4825, 0.2737,
0.3385

 4.7503, 0.1878,
0.3550

225.0368, 0.2762,
0.3380

 2.1015, 0.1542,
0.3592

272.4343, 0.2785,

 0.6655, 0.0000,

0.3374

0.3956

326.0595, 0.2804,
0.3370

0.0000, 0.0000,
0.0000

49.9056, 0.2531,
0.3431

49.9056, 0.2531,
0.3431

48.7688, 0.2454,
0.3464

51.3408, 0.2625,
0.3399

47.9026, 0.2397,
0.3497

53.0883, 0.2734,
0.3369

47.2840, 0.2358,
0.3531

55.1678, 0.2856,
0.3340

46.8835, 0.2338,
0.3565


57.5962, 0.2988,
0.3314

46.6458, 0.2333,
0.3598


60.3887, 0.3128,
0.3290

 46.6452, 0.2333,
0.3598

 63.5601, 0.3271,
0.3268

 67.1241, 0.3416,
0.3249

 69.0974, 0.3481,
0.3230

 69.1977, 0.3465,
0.3209

Harmonies

Analogous

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



49.9056, 0.2886, 0.3841



49.9056, 0.2531, 0.3431



49.9056, 0.2338, 0.3009

Triad

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



49.9056, 0.2531, 0.3431



49.9056, 0.2886, 0.2626



49.9056, 0.3973, 0.3810

Complementary

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



49.9056, 0.2531, 0.3431



23.5210, 0.4387, 0.3167

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.



49.9056, 0.3986, 0.3473



49.9056, 0.2531, 0.3431



49.9056, 0.3332, 0.2818

Square

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



49.9056, 0.2531, 0.3431



49.9056, 0.2532, 0.2581



49.9056, 0.3745, 0.3119



49.9056, 0.3723, 0.4044

Rectangle

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



49.9056, 0.2531, 0.3431



49.9056, 0.2317, 0.2791



49.9056, 0.3745, 0.3119



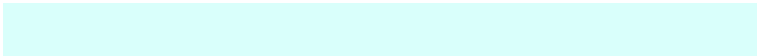
49.9056, 0.4006, 0.3704

Sweetspot

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



49.9075, 0.2531, 0.3431



93.2144, 0.2918, 0.3328



47.6057, 0.3118, 0.4835



19.7714, 0.2890, 0.3333



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.



49.9075, 0.2531, 0.3431



80.6365, 0.2449, 0.3467



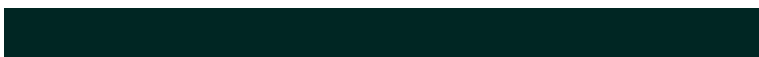
33.4598, 0.2361, 0.2677



12.7074, 0.2996, 0.3313



29.3678, 0.2331, 0.3593



1.5207, 0.2313, 0.3528

Inverse Universe

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



23.5210, 0.4387, 0.3167



32.0469, 0.4839, 0.3152



33.3915, 0.4237, 0.3813



11.2312, 0.3275, 0.3268



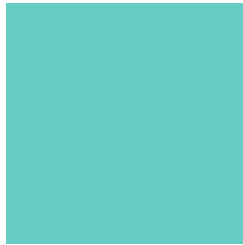
8.1181, 0.6277, 0.3231



0.4251, 0.5922, 0.3036

Previews

White Background



This preview shows how the Yxy color 49.9056, 0.2531, 0.3431 looks on a white background.

Color Contrast Check

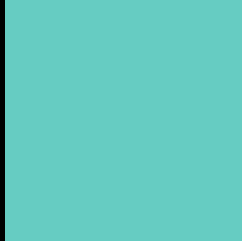
Large Text (above 18pt) WCAG AA × Fail

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 49.9056, 0.2531, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

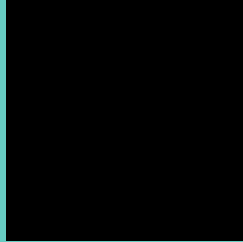
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

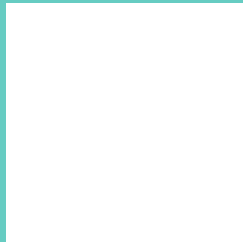
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9056, 0.2531, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 49.9056, 0.2531, 0.3431.



This preview shows how white text looks on a background with the Yxy color 49.9056, 0.2531, 0.3431.

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

49.9056, 0.2531, 0.3431

Protanopia

49.0640, 0.3185, 0.3316

Deuteranopia

49.3134, 0.3137, 0.3071



Tritanopia

50.0343, 0.2437, 0.3070

Trichromacy



Original Color

49.9056, 0.2531, 0.3431

Protanomaly

48.5562, 0.2898, 0.3357

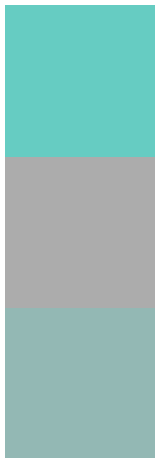
Deuteranomaly

48.3189, 0.2872, 0.3184

Tritanomaly

49.9087, 0.2466, 0.3191

Monochromacy



Original Color

49.9056, 0.2531, 0.3431

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.7793, 0.2859, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9056, 0.2531, 0.3431 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(102, 204, 194)` looks like.

```
.text, #text, p{  
    color:rgb(102, 204, 194)  
}
```

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(102, 204, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 204, 194) }
```

Border

The CSS property to change the border of an element to Yxy 49.9056, 0.2531, 0.3431 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(102, 204, 194) }
```

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

```
.border{ border-color:rgb(102, 204, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 204, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 204, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 204, 194);  
box-shadow:4px 4px 4px 4px rgb(102, 204,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9056, 0.2531, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 204, 194) }
```

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

```
.background{ background-color: rgb(102,  
204, 194) }
```

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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