

Converting Colors

$Y_{xy}(45.6845, 0.2227, 0.3069)$

Have a look what the booklet for
Yxy(45.6845, 0.2227, 0.3069)
contains.

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Color

Yxy(45.6845, 0.2227, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	2AC6D5
RGB	42, 198, 213
RGB Percent	16%, 78%, 84%
CMY	0.8364, 0.2235, 0.1647
CMYK	0.80, 0.07, 0.00, 0.16
HSL	185°, 67%, 50%
HSV	185°, 80%, 84%
XYZ	33.1507, 45.6845, 70.0228
YIQ	153.0660, -97.7910, -28.4070

Conversions

Conversions Part 2

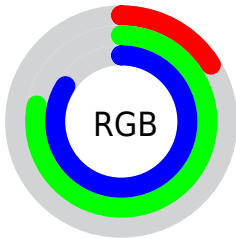
Format	Color
R_{YB}	42, 124, 213
Decimal	2803413
CIE _{Lab}	73.34, -33.13, -18.60
CIE _{LCh}	73, 37.995, 209.306
Yxy	45.6845, 0.2227, 0.3069
Android (android.graphics.Color)	4280993493 (0xFF2AC6D5)
YUV	153.0660, 29.5475, -97.4049
Hunter-Lab	67.5903, -30.7351, -14.1105

Details

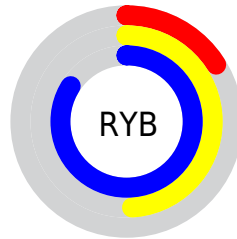
The Yxy color **45.6845, 0.2227, 0.3069** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.2100, 0.5808, 0.3411**, and the grayscale version is **31.7532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **22.4151, 0.2170, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **44.5059, 0.2191, 0.3039**, and if you desaturate by 10%, it is **47.1148, 0.2282, 0.3099**.

Distribution



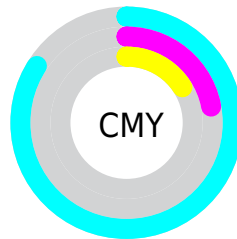
- Red (16%)
- Green (78%)
- Blue (84%)



- Red (16%)
- Yellow (49%)
- Blue (84%)



- Cyan (80%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)





- Cyan (84%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6845, 0.2227, 0.3069 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 45.6845, 0.2227, 0.3069 by changing the saturation by 10% instead.


 45.6845, 0.2227,
0.3069

 45.6845, 0.2227,
0.3069


369.5388, 0.2662,
0.3194

 31.9969, 0.2124,
0.3034


 83.7466, 0.2381,
0.3118


 21.3592, 0.1995,
0.2987

 108.8900, 0.2440,
0.3135


 13.3868, 0.1831,
0.2921


 138.6207, 0.2491,
0.3149

 7.6954, 0.1614,
0.2823

 173.3232, 0.2534,
0.3161

 3.9007, 0.1321,
0.2668

 213.3818, 0.2572,
0.3171

 1.6182, 0.0885,
0.2408

259.1811, 0.2606,

 0.3698, 0.0000,

0.3180

0.1624

311.1052, 0.2636,
0.3187

■ 0.0000, 0.0000,
0.0000

■ 45.6845, 0.2227,
0.3069

■ 45.6845, 0.2227,
0.3069

■ 44.5059, 0.2191,
0.3039

■ 47.1148, 0.2282,
0.3099

■ 43.5502, 0.2170,
0.3011

■ 48.8251, 0.2356,
0.3129

■ 50.8451, 0.2449,
0.3159

■ 53.1993, 0.2559,
0.3188

■ 55.9098, 0.2684,
0.3216

■ 58.9967, 0.2821,
0.3242

■ 62.4784, 0.2968,
0.3267

■ 66.3724, 0.3121,
0.3289

■ 70.6948, 0.3277,
0.3310

Harmonies

Analogous

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



45.6845, 0.2508, 0.3603



45.6845, 0.2227, 0.3069



45.6845, 0.2169, 0.2665

Triad

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



45.6845, 0.2227, 0.3069



45.6845, 0.3221, 0.2654



45.6845, 0.3943, 0.4133

Complementary

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



45.6845, 0.2227, 0.3069



17.2100, 0.5808, 0.3411

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.



45.6845, 0.4182, 0.3797



45.6845, 0.2227, 0.3069



45.6845, 0.3752, 0.2977

Square

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



45.6845, 0.2227, 0.3069



45.6845, 0.2705, 0.2470



45.6845, 0.4116, 0.3381



45.6845, 0.3493, 0.4263

Rectangle

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



45.6845, 0.2227, 0.3069



45.6845, 0.2255, 0.2508



45.6845, 0.4116, 0.3381



45.6845, 0.4052, 0.4037

Sweetspot

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



45.6862, 0.2227, 0.3069



86.8135, 0.2767, 0.3232



48.3621, 0.2975, 0.5653



18.2272, 0.2718, 0.3223



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.



45.6862, 0.2227, 0.3069



65.8920, 0.2176, 0.3020



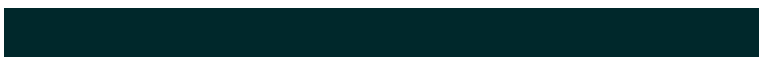
17.1217, 0.1864, 0.1691



13.9133, 0.2983, 0.3269



26.6779, 0.2171, 0.3015



1.6649, 0.2185, 0.3066

Inverse Universe

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



19.8613, 0.3386, 0.1749



27.3978, 0.3436, 0.1677



33.5504, 0.4824, 0.4318



12.6131, 0.3151, 0.3080



11.0380, 0.3441, 0.1669



0.6714, 0.3396, 0.1645

Previews

White Background



This preview shows how the Yxy color 45.6845, 0.2227, 0.3069 looks on a white background.

Color Contrast Check

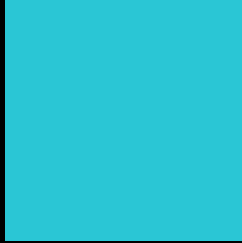
Large Text (above 18pt) WCAG AA × Fail

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 45.6845, 0.2227, 0.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

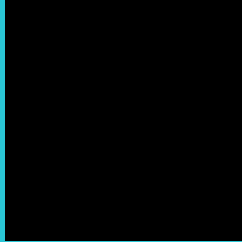
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6845, 0.2227, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 45.6845, 0.2227, 0.3069.



This preview shows how white text looks on a background with the Yxy color 45.6845, 0.2227, 0.3069.

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

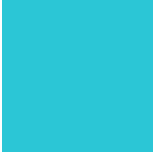
45.6845, 0.2227, 0.3069

Protanopia

44.7979, 0.2947, 0.3005

Deuteranopia

44.9520, 0.2808, 0.2751



Tritanopia

45.7568, 0.2225, 0.3055

Trichromacy



Original Color

45.6845, 0.2227, 0.3069



Protanomaly

43.5696, 0.2567, 0.3022



Deuteranomaly

43.3369, 0.2493, 0.2837



Tritanomaly

45.7568, 0.2225, 0.3055

Monochromacy



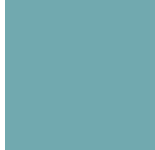
Original Color

45.6845, 0.2227, 0.3069



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.9818, 0.2624, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6845, 0.2227, 0.3069 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, 198, 213)` looks like.

```
.text, #text, p{  
    color:rgb(42, 198, 213)  
}
```

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, 198, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 198, 213) }
```

Border

The CSS property to change the border of an element to Yxy 45.6845, 0.2227, 0.3069 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, 198, 213) }
```

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

```
.border{ border-color:rgb(42, 198, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 198, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 198, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 198, 213);  
box-shadow:4px 4px 4px 4px rgb(42, 198,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6845, 0.2227, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 198, 213) }
```

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

```
.background{ background-color: rgb(42, 198,  
213) }
```

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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