

Converting Colors

$Yxy(45.4672, 0.2225, 0.3025)$

Have a look what the booklet for
Yxy(45.4672, 0.2225, 0.3025)
contains.

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Color

Yxy(45.4431, 0.2225, 0.3027)

Conversions

Conversions Part 1

Format	Color
Hex	2FC5D7
RGB	47, 197, 215
RGB Percent	18%, 77%, 84%
CMY	0.8154, 0.2274, 0.1570
CMYK	0.78, 0.08, 0.00, 0.16
HSL	186°, 68%, 51%
HSV	186°, 78%, 84%
XYZ	33.4030, 45.4431, 71.2798
YIQ	154.2020, -95.1780, -26.2020

Conversions

Conversions Part 2

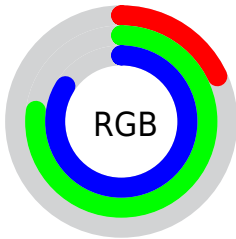
Format	Color
R _Y B	47, 126, 215
Decimal	3130839
CIE Lab	73.18, -31.56, -19.90
CIE LCh	73, 37.310, 212.227
Yxy	45.4431, 0.2225, 0.3027
Android (android.graphics.Color)	4281320919 (0xFF2FC5D7)
YUV	154.2020, 29.9734, -94.0162
Hunter-Lab	67.4115, -29.5218, -15.5042

Details

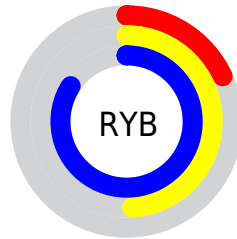
The Yxy color **45.4431, 0.2225, 0.3027** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.4333, 0.5686, 0.3445**, and the grayscale version is **32.3143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1686, 0.2447, 0.3277**, and **22.1830, 0.2155, 0.2956** is the 20% darker color. If you saturate the color by 10%, you get **44.0160, 0.2182, 0.2990**, and if you desaturate by 10%, it is **47.1409, 0.2287, 0.3064**.

Distribution



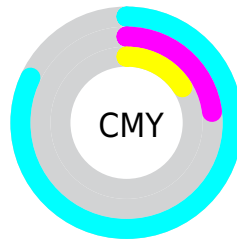
- Red (18%)
- Green (77%)
- Blue (84%)



- Red (18%)
- Yellow (49%)
- Blue (84%)



- Cyan (78%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)




- Cyan (82%)
- Magenta (23%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4431, 0.2225, 0.3027 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 45.4431, 0.2225, 0.3027 by changing the saturation by 10% instead.


 45.4431, 0.2225,
0.3027


 45.4431, 0.2225,
0.3027


368.5652, 0.2661,
0.3173


 31.8066, 0.2122,
0.2987


 83.3849, 0.2379,
0.3083

 21.2138, 0.1993,
0.2933


 108.4590, 0.2439,
0.3103


 13.2804, 0.1829,
0.2859


 138.1145, 0.2489,
0.3120

 7.6219, 0.1612,
0.2751

 172.7356, 0.2533,
0.3134

 3.8540, 0.1319,
0.2582

 212.7068, 0.2571,
0.3146

 1.5922, 0.0891,
0.2301

258.4126, 0.2605,

 0.3523, 0.0000,

0.3156

0.1483

310.2372, 0.2634,
0.3165

■ 0.0000, 0.0000,
0.0000

■ 45.4431, 0.2225,
0.3027

■ 45.4431, 0.2225,
0.3027

■ 44.0160, 0.2182,
0.2990

■ 47.1409, 0.2287,
0.3064

■ 42.8073, 0.2156,
0.2953

■ 49.1371, 0.2368,
0.3102

■ 42.5892, 0.2152,
0.2946

■ 51.4611, 0.2467,
0.3138

■ 54.1374, 0.2583,
0.3173

■ 57.1879, 0.2713,
0.3207

■ 60.6330, 0.2854,
0.3239

■ 64.4912, 0.3003,
0.3268

■ 68.7802, 0.3157,
0.3295

■ 73.5162, 0.3313,
0.3319

Harmonies

Analogous

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



45.4431, 0.2482, 0.3546



45.4431, 0.2225, 0.3027



45.4431, 0.2189, 0.2646

Triad

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



45.4431, 0.2225, 0.3027



45.4431, 0.3273, 0.2689



45.4431, 0.3894, 0.4144

Complementary

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



45.4431, 0.2225, 0.3027



18.4333, 0.5686, 0.3445

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.



45.4431, 0.4154, 0.3827



45.4431, 0.2225, 0.3027



45.4431, 0.3787, 0.3018

Square

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



45.4431, 0.2225, 0.3027



45.4431, 0.2756, 0.2492



45.4431, 0.4120, 0.3421



45.4431, 0.3438, 0.4243

Rectangle

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



45.4431, 0.2225, 0.3027



45.4431, 0.2289, 0.2505



45.4431, 0.4120, 0.3421



45.4431, 0.4009, 0.4056

Sweetspot

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



45.4448, 0.2225, 0.3027



86.5836, 0.2780, 0.3223



49.5602, 0.2967, 0.5571



18.1456, 0.2730, 0.3211



0.0000, 0.0000, 0.0000



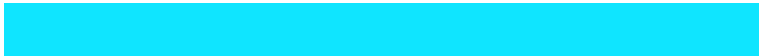
21.4041, 0.3127, 0.3290

Same Dimension

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



45.4448, 0.2225, 0.3027



63.5566, 0.2163, 0.2965



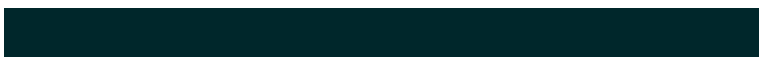
17.5975, 0.1878, 0.1697



13.8702, 0.2983, 0.3264



25.5757, 0.2153, 0.2952



1.6091, 0.2171, 0.3015

Inverse Universe

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



20.5126, 0.3421, 0.1794



27.2869, 0.3484, 0.1710



35.7687, 0.4744, 0.4341



12.6087, 0.3154, 0.3084



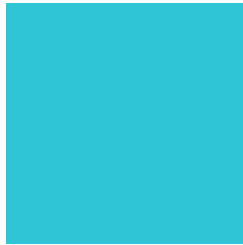
10.9267, 0.3497, 0.1700



0.6658, 0.3441, 0.1669

Previews

White Background



This preview shows how the Yxy color 45.4431, 0.2225, 0.3027 looks on a white background.

Color Contrast Check

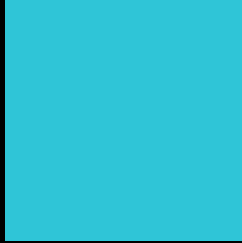
Large Text (above 18pt) WCAG AA × Fail

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 45.4431, 0.2225, 0.3027 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

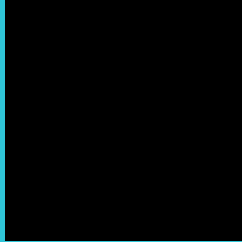
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4431, 0.2225, 0.3027

Background



This preview shows how black text looks on a background with the Yxy color 45.4431, 0.2225, 0.3027.

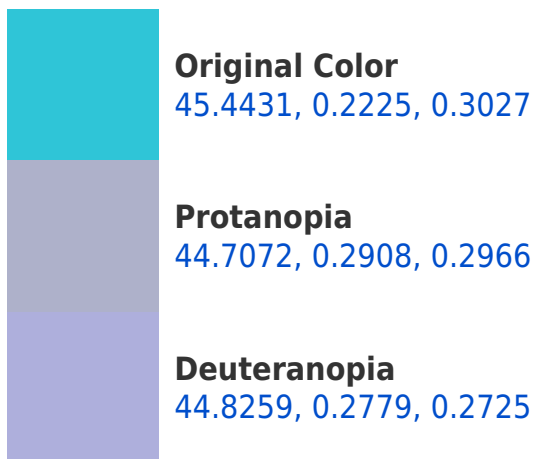


This preview shows how white text looks on a background with the Yxy color 45.4431, 0.2225, 0.3027.

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





Tritanopia

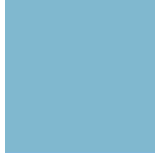
45.3174, 0.2231, 0.3054

Trichromacy



Original Color

45.4431, 0.2225, 0.3027



Protanomaly

43.3752, 0.2553, 0.2969



Deuteranomaly

43.5181, 0.2488, 0.2813



Tritanomaly

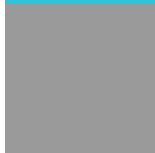
45.3684, 0.2227, 0.3040

Monochromacy



Original Color

45.4431, 0.2225, 0.3027



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

35.5289, 0.2633, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4431, 0.2225, 0.3027 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(47, 197, 215)` looks like.

```
.text, #text, p{  
    color:rgb(47, 197, 215)  
}
```

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(47, 197, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 197, 215) }
```

Border

The CSS property to change the border of an element to Yxy 45.4431, 0.2225, 0.3027 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(47, 197, 215) }
```

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

```
.border{ border-color:rgb(47, 197, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 197, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 197, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 197, 215);  
box-shadow:4px 4px 4px 4px rgb(47, 197,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4431, 0.2225, 0.3027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 197, 215) }
```

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

```
.background{ background-color: rgb(47, 197,  
215) }
```

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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