

Converting Colors

$Y_{xy}(45.1644, 0.2280, 0.3279)$

Have a look what the booklet for
Yxy(45.1644, 0.2280, 0.3279)
contains.

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Color

Yxy(45.3637, 0.2282, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	25C7C7
RGB	37, 199, 199
RGB Percent	15%, 78%, 78%
CMY	0.8562, 0.2195, 0.2197
CMYK	0.82, 0.00, 0.00, 0.22
HSL	180°, 69%, 46%
HSV	180°, 82%, 78%
XYZ	31.4842, 45.3637, 61.1196
YIQ	150.5620, -96.5520, -34.3440

Conversions

Conversions Part 2

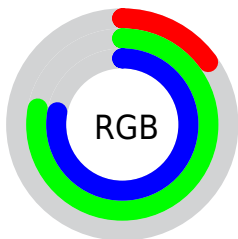
Format	Color
R _Y B	37, 118, 199
Decimal	2475975
CIE Lab	73.13, -38.23, -11.31
CIE LCh	73, 39.865, 196.479
Yxy	45.3637, 0.2282, 0.3288
Android (android.graphics.Color)	4280666055 (0xFF25C7C7)
YUV	150.5620, 23.8799, -99.5939
Hunter-Lab	67.3526, -34.4266, -6.6563

Details

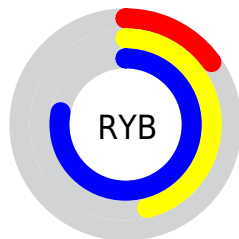
The Yxy color **45.3637, 0.2282, 0.3288** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **13.5782, 0.5960, 0.3298**, and the grayscale version is **30.6357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **21.9909, 0.2241, 0.3267** is the 20% darker color. If you saturate the color by 10%, you get **45.0951, 0.2257, 0.3288**, and if you desaturate by 10%, it is **45.8355, 0.2324, 0.3288**.

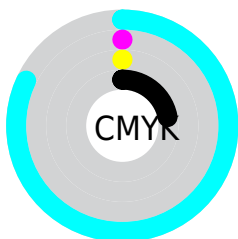
Distribution



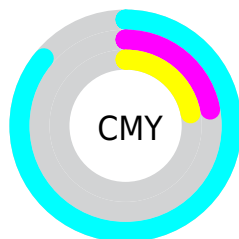
- Red (15%)
- Green (78%)
- Blue (78%)



- Red (15%)
- Yellow (46%)
- Blue (78%)



- Cyan (82%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)




- Cyan (86%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3637, 0.2282, 0.3288 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 45.3637, 0.2282, 0.3288 by changing the saturation by 10% instead.


 45.3637, 0.2282,
0.3288

 45.3637, 0.2282,
0.3288


368.2446, 0.2694,
0.3301

 31.7440, 0.2183,
0.3281


 83.2659, 0.2429,
0.3296

 21.1660, 0.2058,
0.3269


 108.3172, 0.2485,
0.3298


 13.2454, 0.1897,
0.3250


 137.9478, 0.2533,
0.3299

 7.5978, 0.1683,
0.3217

 172.5422, 0.2574,
0.3300

 3.8387, 0.1386,
0.3152

 212.4846, 0.2610,
0.3301

 1.5837, 0.0862,
0.3044

258.1596, 0.2642,

 0.3466, 0.0000,

0.3301

0.2266

309.9514, 0.2670,
0.3301

■ 0.0000, 0.0000,
0.0000

■ 45.3637, 0.2282,
0.3288

■ 45.3637, 0.2282,
0.3288

■ 45.0951, 0.2257,
0.3288

■ 45.8355, 0.2324,
0.3288

■ 44.9780, 0.2247,
0.3288

■ 46.5342, 0.2385,
0.3288

■ 47.4855, 0.2465,
0.3288

■ 48.7103, 0.2564,
0.3289

■ 50.2275, 0.2679,
0.3289

■ 52.0543, 0.2809,
0.3289

■ 54.2064, 0.2952,
0.3290

■ 56.6986, 0.3103,
0.3290

■ 59.5447, 0.3260,
0.3290

Harmonies

Analogous

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



45.3637, 0.2664, 0.3856



45.3637, 0.2282, 0.3288



45.3637, 0.2121, 0.2788

Triad

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



45.3637, 0.2282, 0.3288



45.3637, 0.2980, 0.2522



45.3637, 0.4124, 0.4038

Complementary

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



45.3637, 0.2282, 0.3288



13.5782, 0.5960, 0.3298

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.



45.3637, 0.4249, 0.3634



45.3637, 0.2282, 0.3288



45.3637, 0.3555, 0.2803

Square

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



45.3637, 0.2282, 0.3288



45.3637, 0.2494, 0.2405



45.3637, 0.4037, 0.3196



45.3637, 0.3729, 0.4291

Rectangle

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



45.3637, 0.2282, 0.3288



45.3637, 0.2145, 0.2562



45.3637, 0.4037, 0.3196



45.3637, 0.4201, 0.3913

Sweetspot

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



45.3654, 0.2282, 0.3288



90.1821, 0.2772, 0.3289



41.4254, 0.3017, 0.5785



19.0535, 0.2725, 0.3289



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.



45.3654, 0.2282, 0.3288



78.7696, 0.2248, 0.3288



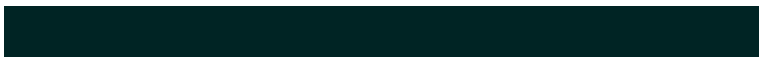
18.0756, 0.1929, 0.1954



12.0676, 0.2984, 0.3290



28.9158, 0.2247, 0.3288



1.3692, 0.2247, 0.3288

Inverse Universe

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



13.5782, 0.5960, 0.3298



21.3820, 0.6377, 0.3300



24.5677, 0.5049, 0.4130



10.6370, 0.3290, 0.3290



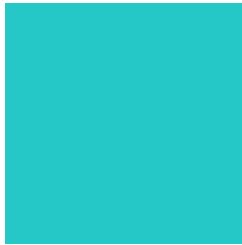
7.8077, 0.6400, 0.3300



0.3697, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 45.3637, 0.2282, 0.3288 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 45.3637, 0.2282, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

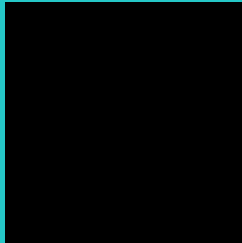
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

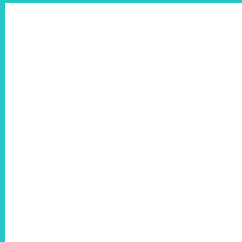
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3637, 0.2282, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 45.3637, 0.2282, 0.3288.

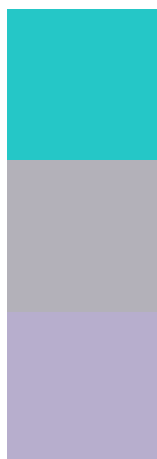


This preview shows how white text looks on a background with the Yxy color 45.3637, 0.2282, 0.3288.

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

45.3637, 0.2282, 0.3288

Protanopia

44.5308, 0.3080, 0.3185

Deuteranopia

44.7472, 0.2958, 0.2898



Tritanopia

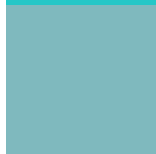
45.4147, 0.2239, 0.3055

Trichromacy



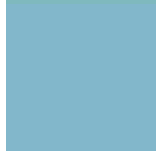
Original Color

45.3637, 0.2282, 0.3288



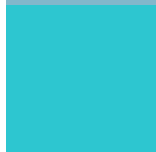
Protanomaly

42.9277, 0.2652, 0.3217



Deuteranomaly

42.9246, 0.2587, 0.3008



Tritanomaly

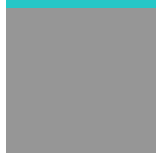
45.5001, 0.2254, 0.3140

Monochromacy



Original Color

45.3637, 0.2282, 0.3288



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

34.0836, 0.2642, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3637, 0.2282, 0.3288 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(37, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(37, 199, 199)  
}
```

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(37, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 199, 199) }
```

Border

The CSS property to change the border of an element to Yxy 45.3637, 0.2282, 0.3288 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(37, 199, 199) }
```

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

```
.border{ border-color:rgb(37, 199, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(37, 199,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3637, 0.2282, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 199, 199) }
```

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

```
.background{ background-color: rgb(37, 199,  
199) }
```

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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