

Converting Colors

$Yxy(45.3278, 0.2326, 0.3288)$

Have a look what the booklet for
Yxy(45.3278, 0.2326, 0.3288)
contains.

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Color

Yxy(45.3352, 0.2326, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	39C6C6
RGB	57, 198, 198
RGB Percent	22%, 78%, 78%
CMY	0.7766, 0.2235, 0.2236
CMYK	0.71, 0.00, 0.00, 0.22
HSL	180°, 55%, 50%
HSV	180°, 71%, 78%
XYZ	32.0711, 45.3352, 60.4745
YIQ	155.8410, -84.0360, -29.8920

Conversions

Conversions Part 2

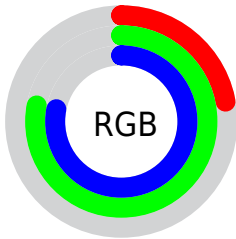
Format	Color
RYB	57, 128, 198
Decimal	3786438
CIELab	73.11, -36.01, -10.76
CIELCh	73, 37.584, 196.633
Yxy	45.3352, 0.2326, 0.3288
Android (android.graphics.Color)	4281976518 (0xFF39C6C6)
YUV	155.8410, 20.7844, -86.6836
Hunter-Lab	67.3314, -32.8075, -6.1200

Details

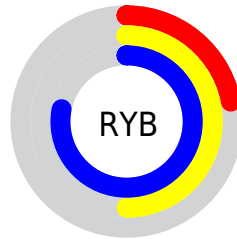
The Yxy color **45.3352, 0.2326, 0.3288** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **15.2256, 0.5520, 0.3297**, and the grayscale version is **33.1017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **21.6585, 0.2241, 0.3267** is the 20% darker color. If you saturate the color by 10%, you get **44.8642, 0.2283, 0.3288**, and if you desaturate by 10%, it is **46.0364, 0.2388, 0.3288**.

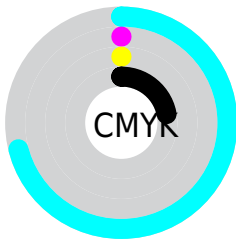
Distribution



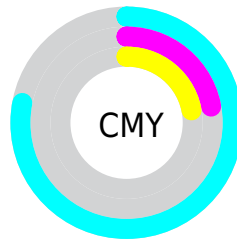
- Red (22%)
- Green (78%)
- Blue (78%)



- Red (22%)
- Yellow (50%)
- Blue (78%)



- Cyan (71%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





- Cyan (78%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3352, 0.2326, 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 45.3352, 0.2326, 0.3288 by changing the saturation by 10% instead.

 45.3352, 0.2326,
0.3288


 45.3352, 0.2326,
0.3288


368.1294, 0.2718,
0.3300


 31.7215, 0.2232,
0.3282


 83.2232, 0.2466,
0.3295

 21.1489, 0.2112,
0.3271


 108.2663, 0.2519,
0.3297


 13.2329, 0.1958,
0.3254


 137.8880, 0.2565,
0.3298

 7.5891, 0.1751,
0.3224

 172.4727, 0.2604,
0.3299

 3.8332, 0.1463,
0.3165

 212.4048, 0.2638,
0.3299

 1.5807, 0.0970,
0.3061

258.0687, 0.2668,

 0.3445, 0.0000,

0.3300

0.2326

309.8488, 0.2694,
0.3300

0.0000, 0.0000,
0.0000

45.3352, 0.2326,
0.3288

45.3352, 0.2326,
0.3288

44.8642, 0.2283,
0.3288

46.0364, 0.2388,
0.3288

44.5902, 0.2258,
0.3288

46.9862, 0.2469,
0.3288

44.4674, 0.2247,
0.3288

48.2071, 0.2568,
0.3289

49.7174, 0.2684,
0.3289

51.5342, 0.2814,
0.3289

■ 53.6729, 0.2957,
0.3290

■ 56.1482, 0.3108,
0.3290

■ 58.9735, 0.3265,
0.3290

■ 62.1619, 0.3426,
0.3291

Harmonies

Analogous

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



45.3352, 0.2689, 0.3819



45.3352, 0.2326, 0.3288



45.3352, 0.2173, 0.2816

Triad

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



45.3352, 0.2326, 0.3288



45.3352, 0.2993, 0.2562



45.3352, 0.4069, 0.4003

Complementary

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



45.3352, 0.2326, 0.3288



15.2256, 0.5520, 0.3297

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.



45.3352, 0.4185, 0.3623



45.3352, 0.2326, 0.3288



45.3352, 0.3534, 0.2831

Square

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



45.3352, 0.2326, 0.3288



45.3352, 0.2531, 0.2451



45.3352, 0.3987, 0.3206



45.3352, 0.3696, 0.4235

Rectangle

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



45.3352, 0.2326, 0.3288



45.3352, 0.2196, 0.2602



45.3352, 0.3987, 0.3206



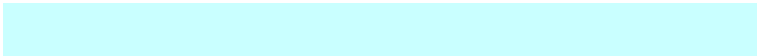
45.3352, 0.4141, 0.3886

Sweetspot

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



45.3369, 0.2326, 0.3288



91.2193, 0.2813, 0.3289



41.6263, 0.3031, 0.5544



19.3200, 0.2775, 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.



45.3369, 0.2326, 0.3288



79.1543, 0.2269, 0.3288



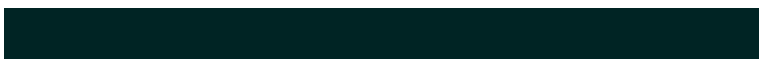
20.8694, 0.2043, 0.2149



12.0676, 0.2984, 0.3290



28.9159, 0.2247, 0.3288



1.3692, 0.2247, 0.3288

Inverse Universe

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



15.2256, 0.5520, 0.3297



22.8041, 0.6118, 0.3299



27.0043, 0.4768, 0.4103



10.6370, 0.3290, 0.3290



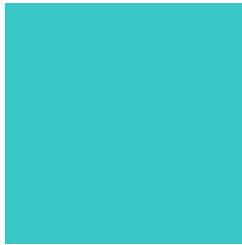
7.8077, 0.6401, 0.3300



0.3697, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 45.3352, 0.2326, 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 45.3352, 0.2326, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

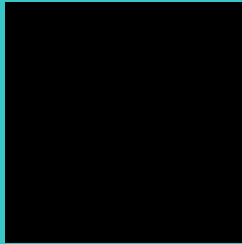
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

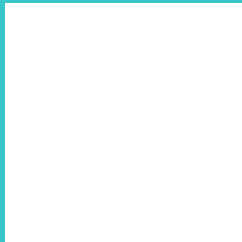
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3352, 0.2326, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 45.3352, 0.2326, 0.3288.

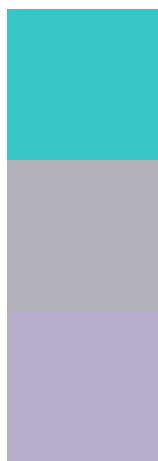


This preview shows how white text looks on a background with the Yxy color 45.3352, 0.2326, 0.3288.

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

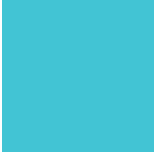
45.3352, 0.2326, 0.3288

Protanopia

44.5308, 0.3080, 0.3185

Deuteranopia

44.6512, 0.2974, 0.2922



Tritanopia

45.3916, 0.2280, 0.3056

Trichromacy



Original Color

45.3352, 0.2326, 0.3288



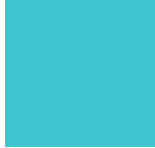
Protanomaly

43.5665, 0.2706, 0.3218



Deuteranomaly

43.4024, 0.2646, 0.3039



Tritanomaly

45.4943, 0.2298, 0.3141

Monochromacy



Original Color

45.3352, 0.2326, 0.3288



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

36.0592, 0.2705, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3352, 0.2326, 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(57, 198, 198)` looks like.

```
.text, #text, p{  
    color:rgb(57, 198, 198)  
}
```

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(57, 198, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 198, 198) }
```

Border

The CSS property to change the border of an element to Yxy 45.3352, 0.2326, 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(57, 198, 198) }
```

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

```
.border{ border-color:rgb(57, 198, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 198, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 198, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 198, 198);  
box-shadow:4px 4px 4px 4px rgb(57, 198,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3352, 0.2326, 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(57, 198, 198) }
```

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

```
.background{ background-color: rgb(57, 198,  
198) }
```

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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