

Converting Colors

$Yxy(45.6456, 0.2416, 0.3393)$

Have a look what the booklet for
Yxy(45.6456, 0.2416, 0.3393)
contains.

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Color

Yxy(45.6456, 0.2416, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	4BC6BF
RGB	75, 198, 191
RGB Percent	29%, 78%, 75%
CMY	0.7056, 0.2235, 0.2510
CMYK	0.62, 0.00, 0.04, 0.22
HSL	177°, 52%, 54%
HSV	177°, 62%, 78%
XYZ	32.5021, 45.6456, 56.3810
YIQ	160.4250, -71.0610, -28.2530

Conversions

Conversions Part 2

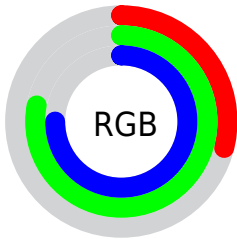
Format	Color
RYB	75, 138, 198
Decimal	4966079
CIELab	73.31, -35.33, -6.61
CIELCh	73, 35.946, 190.599
Yxy	45.6456, 0.2416, 0.3393
Android (android.graphics.Color)	4283156159 (0xFF4BC6BF)
YUV	160.4250, 15.0735, -74.9177
Hunter-Lab	67.5615, -32.3608, -2.1852

Details

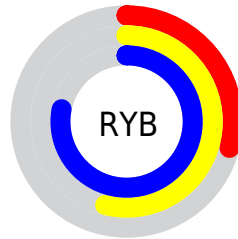
The Yxy color **45.6456, 0.2416, 0.3393** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **17.6570, 0.4974, 0.3213**, and the grayscale version is **35.3222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5538, 0.2543, 0.3380**, and **21.7815, 0.2281, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **44.9191, 0.2360, 0.3412**, and if you desaturate by 10%, it is **46.6244, 0.2492, 0.3374**.

Distribution



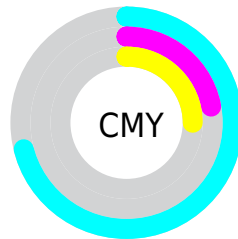
- Red (29%)
- Green (78%)
- Blue (75%)



- Red (29%)
- Yellow (54%)
- Blue (78%)



- Cyan (62%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)




- Cyan (71%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6456, 0.2416, 0.3393 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 45.6456, 0.2416, 0.3393 by changing the saturation by 10% instead.


 45.6456, 0.2416,
0.3393


 45.6456, 0.2416,
0.3393


369.3820, 0.2766,
0.3349

 31.9662, 0.2331,
0.3402

 83.6884, 0.2542,
0.3379

 21.3357, 0.2223,
0.3411


 108.8206, 0.2589,
0.3373

 13.3696, 0.2082,
0.3422


 138.5392, 0.2630,
0.3368

 7.6836, 0.1891,
0.3432

 173.2285, 0.2665,
0.3363

 3.8931, 0.1619,
0.3435

213.2731, 0.2695,
0.3359

 1.6140, 0.1147,
0.3439

259.0573, 0.2722,

 0.3670, 0.0000,

0.3355

0.2986

310.9655, 0.2745,
0.3352

■ 0.0000, 0.0000,
0.0000

■ 45.6456, 0.2416,
0.3393

■ 45.6456, 0.2416,
0.3393

■ 44.9191, 0.2360,
0.3412

■ 46.6244, 0.2492,
0.3374

■ 44.4157, 0.2322,
0.3431

■ 47.8712, 0.2585,
0.3356

■ 44.1087, 0.2302,
0.3450

■ 49.4063, 0.2695,
0.3339

■ 43.9631, 0.2296,
0.3464

■ 51.2468, 0.2819,
0.3322

■ 53.4083, 0.2953,
0.3307

■ 55.9055, 0.3097,
0.3293

■ 58.7520, 0.3245,
0.3280

■ 61.9608, 0.3396,
0.3269

■ 65.5442, 0.3548,
0.3259

Harmonies

Analogous

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



45.6456, 0.2799, 0.3883



45.6456, 0.2416, 0.3393



45.6456, 0.2225, 0.2918

Triad

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



45.6456, 0.2416, 0.3393



45.6456, 0.2901, 0.2557



45.6456, 0.4072, 0.3909

Complementary

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



45.6456, 0.2416, 0.3393



17.6570, 0.4974, 0.3213

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.



45.6456, 0.4123, 0.3532



45.6456, 0.2416, 0.3393



45.6456, 0.3414, 0.2788

Square

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



45.6456, 0.2416, 0.3393



45.6456, 0.2486, 0.2485



45.6456, 0.3876, 0.3133



45.6456, 0.3759, 0.4166

Rectangle

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



45.6456, 0.2416, 0.3393



45.6456, 0.2218, 0.2686



45.6456, 0.3876, 0.3133



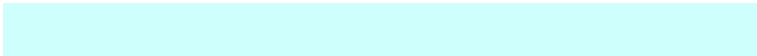
45.6456, 0.4122, 0.3791

Sweetspot

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



45.6473, 0.2416, 0.3393



91.7640, 0.2855, 0.3318



42.7475, 0.3078, 0.5251



19.4166, 0.2817, 0.3322



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.



45.6473, 0.2416, 0.3393



79.1391, 0.2342, 0.3420



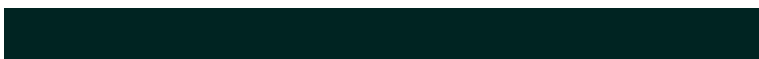
25.7434, 0.2185, 0.2426



12.0567, 0.2991, 0.3303



28.5951, 0.2295, 0.3462



1.3572, 0.2284, 0.3423

Inverse Universe

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



17.6570, 0.4974, 0.3213



25.4019, 0.5618, 0.3220



28.0409, 0.4569, 0.3964



10.6466, 0.3281, 0.3277



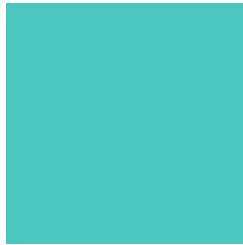
7.8281, 0.6331, 0.3261



0.3742, 0.6096, 0.3132

Previews

White Background



This preview shows how the Yxy color 45.6456, 0.2416, 0.3393 looks on a white background.

Color Contrast Check

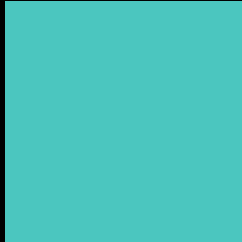
Large Text (above 18pt) WCAG AA × Fail

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 45.6456, 0.2416, 0.3393 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

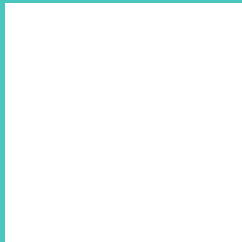
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6456, 0.2416, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 45.6456, 0.2416, 0.3393.

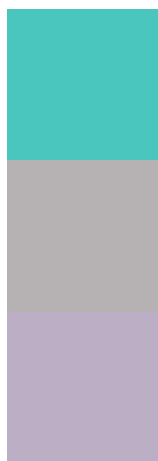


This preview shows how white text looks on a background with the Yxy color 45.6456, 0.2416, 0.3393.

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

45.6456, 0.2416, 0.3393

Protanopia

45.0405, 0.3154, 0.3277

Deuteranopia

44.9490, 0.3071, 0.3011



Tritanopia

45.6182, 0.2342, 0.3059

Trichromacy



Original Color

45.6456, 0.2416, 0.3393



Protanomaly

43.9565, 0.2809, 0.3317



Deuteranomaly

43.9651, 0.2762, 0.3137



Tritanomaly

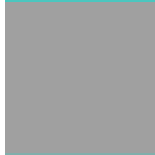
45.5888, 0.2367, 0.3171

Monochromacy



Original Color

45.6456, 0.2416, 0.3393



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

37.8795, 0.2776, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6456, 0.2416, 0.3393 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(75, 198, 191)` looks like.

```
.text, #text, p{  
  color:rgb(75, 198, 191)  
}
```

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(75, 198, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 198, 191) }
```

Border

The CSS property to change the border of an element to Yxy 45.6456, 0.2416, 0.3393 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(75, 198, 191) }
```

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

```
.border{ border-color:rgb(75, 198, 191) }
```

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

Here you see how a box with a 4 pixel rgb(75, 198, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 198, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 198, 191);  
box-shadow:4px 4px 4px 4px rgb(75, 198,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6456, 0.2416, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 198, 191) }
```

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

```
.background{ background-color: rgb(75, 198,  
191) }
```

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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