

Converting Colors

$Yxy(47.6385, 0.2425, 0.3591)$

Have a look what the booklet for
Yxy(47.6385, 0.2425, 0.3591)
contains.

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Color

Yxy(47.6385, 0.2425, 0.3591)

Conversions

Conversions Part 1

Format	Color
Hex	3DCCB8
RGB	61, 204, 184
RGB Percent	24%, 80%, 72%
CMY	0.7607, 0.2000, 0.2784
CMYK	0.70, 0.00, 0.10, 0.20
HSL	172°, 58%, 52%
HSV	172°, 70%, 80%
XYZ	32.1702, 47.6385, 52.8521
YIQ	158.9630, -78.8080, -36.5360

Conversions

Conversions Part 2

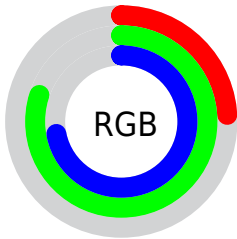
Format	Color
RYB	61, 138, 204
Decimal	4050104
CIELab	74.60, -42.05, -0.98
CIELCh	75, 42.062, 181.334
Yxy	47.6385, 0.2425, 0.3591
Android (android.graphics.Color)	4282240184 (0xFF3DCCB8)
YUV	158.9630, 12.3432, -85.9136
Hunter-Lab	69.0206, -37.5880, 2.9136

Details

The Yxy color **47.6385, 0.2425, 0.3591** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **16.7711, 0.5160, 0.3084**, and the grayscale version is **34.6258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3233, 0.2534, 0.3463**, and **23.1336, 0.2351, 0.3664** is the 20% darker color. If you saturate the color by 10%, you get **46.9928, 0.2390, 0.3640**, and if you desaturate by 10%, it is **48.5364, 0.2480, 0.3542**.

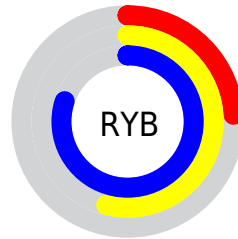
Distribution



Red (24%)

Green (80%)

Blue (72%)



Red (24%)

Yellow (54%)

Blue (80%)

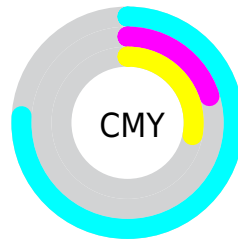


Cyan (70%)

Magenta (0%)

Yellow (10%)

Black (20%)



Cyan (76%)


Magenta (20%)


Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6385, 0.2425, 0.3591 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 47.6385, 0.2425, 0.3591 by changing the saturation by 10% instead.


 47.6385, 0.2425,
0.3591

 47.6385, 0.2425,
0.3591


377.3574, 0.2771,
0.3444

 33.5407, 0.2341,
0.3627


 86.6659, 0.2549,
0.3538

 22.5410, 0.2234,
0.3671


 112.3643, 0.2596,
0.3518


 14.2549, 0.2094,
0.3730


 142.6984, 0.2636,
0.3501

 8.2982, 0.1904,
0.3808

 178.0525, 0.2671,
0.3487

 4.2863, 0.1633,
0.3919

 218.8111, 0.2701,
0.3474

 1.8350, 0.1143,
0.4118

265.3585, 0.2727,

 0.5088, 0.0000,

0.3463

0.4498

318.0792, 0.2750,
0.3453

■ 0.0000, 0.0000,
0.0000

■ 47.6385, 0.2425,
0.3591

■ 47.6385, 0.2425,
0.3591

■ 46.9928, 0.2390,
0.3640

■ 48.5364, 0.2480,
0.3542

■ 46.5642, 0.2373,
0.3690

■ 49.7059, 0.2553,
0.3494

■ 46.3006, 0.2372,
0.3738

■ 51.1710, 0.2643,
0.3448

■ 52.9512, 0.2748,
0.3404

■ 55.0647, 0.2866,
0.3363

■ 57.5280, 0.2993,
0.3325

■ 60.3567, 0.3126,
0.3290

■ 63.5653, 0.3263,
0.3259

■ 67.1676, 0.3401,
0.3231

Harmonies

Analogous

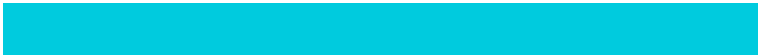
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.6385, 0.2910, 0.4124



47.6385, 0.2425, 0.3591



47.6385, 0.2140, 0.3008

Triad

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



47.6385, 0.2425, 0.3591



47.6385, 0.2700, 0.2412



47.6385, 0.4268, 0.3860

Complementary

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



47.6385, 0.2425, 0.3591



16.7711, 0.5160, 0.3084

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.



47.6385, 0.4224, 0.3413



47.6385, 0.2425, 0.3591



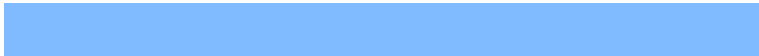
47.6385, 0.3268, 0.2622

Square

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



47.6385, 0.2425, 0.3591



47.6385, 0.2289, 0.2390



47.6385, 0.3844, 0.2976



47.6385, 0.3983, 0.4222

Rectangle

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



47.6385, 0.2425, 0.3591



47.6385, 0.2084, 0.2702



47.6385, 0.3844, 0.2976



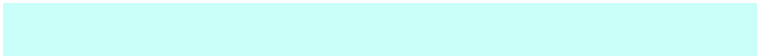
47.6385, 0.4293, 0.3715

Sweetspot

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



47.6403, 0.2425, 0.3591



90.7471, 0.2851, 0.3368



45.3384, 0.3124, 0.5456



19.2059, 0.2818, 0.3379



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.



47.6403, 0.2425, 0.3591



77.4264, 0.2379, 0.3665



28.4493, 0.2135, 0.2492



12.6990, 0.3002, 0.3322



29.1520, 0.2370, 0.3731



1.5115, 0.2343, 0.3635

Inverse Universe

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



16.7711, 0.5160, 0.3084



23.2838, 0.5787, 0.3122



24.5570, 0.4951, 0.3868



11.2388, 0.3268, 0.3258



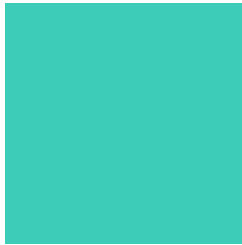
8.1426, 0.6201, 0.3189



0.4286, 0.5745, 0.2938

Previews

White Background



This preview shows how the Yxy color 47.6385, 0.2425, 0.3591 looks on a white background.

Color Contrast Check

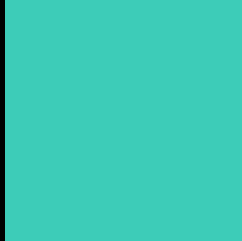
Large Text (above 18pt) WCAG AA × Fail

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 47.6385, 0.2425, 0.3591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

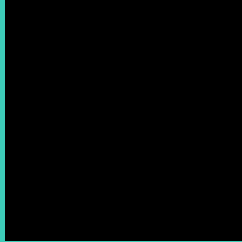
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

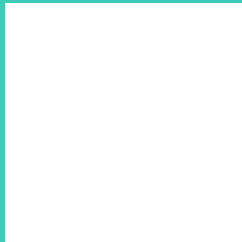
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6385, 0.2425, 0.3591

Background



This preview shows how black text looks on a background with the Yxy color 47.6385, 0.2425, 0.3591.

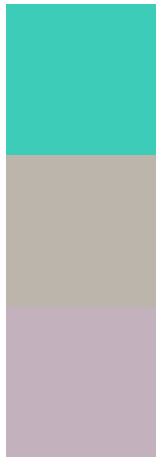


This preview shows how white text looks on a background with the Yxy color 47.6385, 0.2425, 0.3591.

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

47.6385, 0.2425, 0.3591

Protanopia

46.6794, 0.3269, 0.3420

Deuteranopia

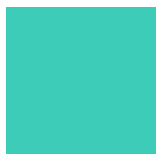
46.8977, 0.3187, 0.3128



Tritanopia

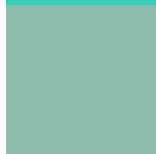
47.3825, 0.2308, 0.3047

Trichromacy



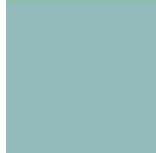
Original Color

47.6385, 0.2425, 0.3591



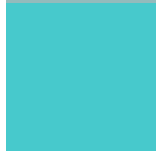
Protanomaly

45.2806, 0.2854, 0.3474



Deuteranomaly

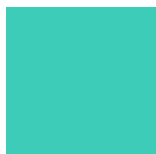
45.3745, 0.2806, 0.3275



Tritanomaly

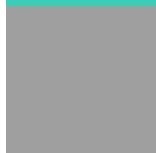
47.4725, 0.2350, 0.3244

Monochromacy



Original Color

47.6385, 0.2425, 0.3591



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.6981, 0.2754, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6385, 0.2425, 0.3591 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(61, 204, 184)` looks like.

```
.text, #text, p{  
    color:rgb(61, 204, 184)  
}
```

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(61, 204, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 204, 184) }
```

Border

The CSS property to change the border of an element to Yxy 47.6385, 0.2425, 0.3591 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(61, 204, 184) }
```

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

```
.border{ border-color:rgb(61, 204, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 204, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 204, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 204, 184);  
box-shadow:4px 4px 4px 4px rgb(61, 204,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6385, 0.2425, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 204, 184) }
```

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

```
.background{ background-color: rgb(61, 204,  
184) }
```

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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