

Converting Colors

$Yxy(40.2368, 0.2447, 0.3626)$

Have a look what the booklet for
Yxy(40.2368, 0.2447, 0.3626)
contains.

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Color

Yxy(40.1522, 0.2448, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	3BBDA8
RGB	59, 189, 168
RGB Percent	23%, 74%, 66%
CMY	0.7684, 0.2588, 0.3413
CMYK	0.69, 0.00, 0.11, 0.26
HSL	170°, 52%, 49%
HSV	170°, 69%, 74%
XYZ	27.0704, 40.1522, 43.3591
YIQ	147.7360, -70.7390, -34.0910

Conversions

Conversions Part 2

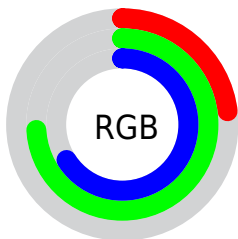
Format	Color
RYB	59, 130, 189
Decimal	3915176
CIELab	69.58, -39.90, 0.41
CIELCh	70, 39.903, 179.417
Yxy	40.1522, 0.2448, 0.3631
Android (android.graphics.Color)	4282105256 (0xFF3BBDA8)
YUV	147.7360, 9.9902, -77.8215
Hunter-Lab	63.3658, -34.6334, 3.7859

Details

The Yxy color **40.1522, 0.2448, 0.3631** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **14.5345, 0.5034, 0.3048**, and the grayscale version is **29.4863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4502, 0.2575, 0.3569**, and **18.5889, 0.2368, 0.3726** is the 20% darker color. If you saturate the color by 10%, you get **39.5637, 0.2411, 0.3689**, and if you desaturate by 10%, it is **40.9555, 0.2504, 0.3574**.

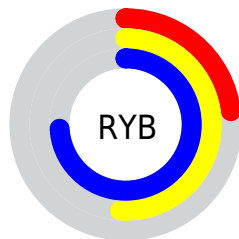
Distribution



Red (23%)

Green (74%)

Blue (66%)



Red (23%)

Yellow (51%)

Blue (74%)

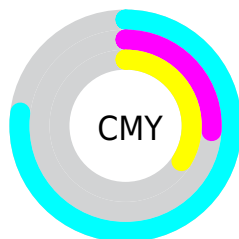


Cyan (69%)

Magenta (0%)

Yellow (11%)

Black (26%)



Cyan (77%)


Magenta (26%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1522, 0.2448, 0.3631 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 40.1522, 0.2448, 0.3631 by changing the saturation by 10% instead.


 40.1522, 0.2448,
0.3631


 40.1522, 0.2448,
0.3631


346.7647, 0.2793,
0.3457


 27.6572, 0.2360,
0.3675


 75.3952, 0.2575,
0.3567

 18.0674, 0.2247,
0.3732


 98.9121, 0.2622,
0.3543

 10.9984, 0.2096,
0.3809


 126.8717, 0.2662,
0.3523

 6.0658, 0.1884,
0.3917

 159.6584, 0.2696,
0.3506

 2.8851, 0.1569,
0.4078

 197.6567, 0.2725,
0.3492

 1.0721, 0.0151,
0.4783

241.2509, 0.2751,

 0.0000, 0.0000,

0.3479

0.0000

290.8254, 0.2773,
0.3467

■ 40.1522, 0.2448,
0.3631

■ 40.1522, 0.2448,
0.3631

■ 39.5637, 0.2411,
0.3689

■ 40.9555, 0.2504,
0.3574

■ 39.1616, 0.2393,
0.3746

■ 41.9893, 0.2578,
0.3519

■ 38.9072, 0.2392,
0.3803

■ 43.2731, 0.2669,
0.3466

■ 38.8787, 0.2392,
0.3810

■ 44.8228, 0.2773,
0.3415

■ 46.6534, 0.2889,
0.3368

■ 48.7784, 0.3014,
0.3325

■ 51.2106, 0.3144,
0.3285

■ 53.9620, 0.3277,
0.3250

■ 57.0441, 0.3411,
0.3218

Harmonies

Analogous

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



40.1522, 0.2945, 0.4154



40.1522, 0.2448, 0.3631



40.1522, 0.2147, 0.3040

Triad

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



40.1522, 0.2448, 0.3631



40.1522, 0.2666, 0.2402



40.1522, 0.4280, 0.3835

Complementary

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



40.1522, 0.2448, 0.3631



14.5345, 0.5034, 0.3048

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.



40.1522, 0.4214, 0.3384



40.1522, 0.2448, 0.3631



40.1522, 0.3229, 0.2601

Square

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



40.1522, 0.2448, 0.3631



40.1522, 0.2266, 0.2392



40.1522, 0.3814, 0.2949



40.1522, 0.4013, 0.4208

Rectangle

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



40.1522, 0.2448, 0.3631



40.1522, 0.2080, 0.2724



40.1522, 0.3814, 0.2949



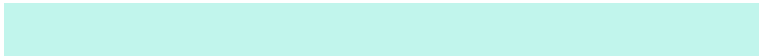
40.1522, 0.4298, 0.3687

Sweetspot

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



40.1538, 0.2448, 0.3631



82.6572, 0.2858, 0.3380



38.4491, 0.3140, 0.5400



17.5775, 0.2826, 0.3393



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



40.1538, 0.2448, 0.3631



70.4907, 0.2401, 0.3715



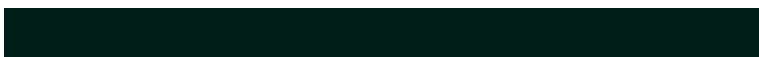
25.0684, 0.2162, 0.2554



10.7823, 0.3006, 0.3327



26.1682, 0.2390, 0.3803



1.0322, 0.2352, 0.3666

Inverse Universe

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



14.5345, 0.5034, 0.3048



21.7120, 0.5643, 0.3077



20.7129, 0.4917, 0.3834



9.5609, 0.3264, 0.3253



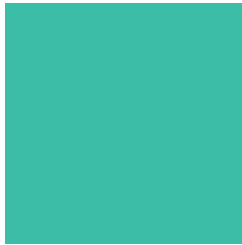
7.3519, 0.6146, 0.3159



0.2960, 0.5553, 0.2833

Previews

White Background



This preview shows how the Yxy color 40.1522, 0.2448, 0.3631 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 40.1522, 0.2448, 0.3631 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

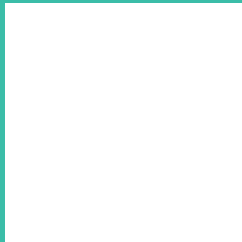
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1522, 0.2448, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 40.1522, 0.2448, 0.3631.

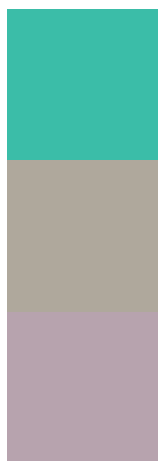


This preview shows how white text looks on a background with the Yxy color 40.1522, 0.2448, 0.3631.

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

40.1522, 0.2448, 0.3631

Protanopia

39.5195, 0.3297, 0.3458

Deuteranopia

39.3177, 0.3219, 0.3143



Tritanopia

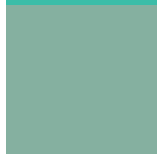
39.9004, 0.2328, 0.3060

Trichromacy



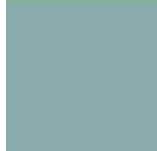
Original Color

40.1522, 0.2448, 0.3631



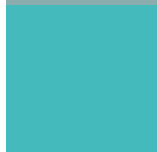
Protanomaly

38.5753, 0.2890, 0.3534



Deuteranomaly

37.8869, 0.2837, 0.3289



Tritanomaly

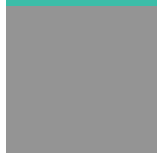
40.0139, 0.2368, 0.3257

Monochromacy



Original Color

40.1522, 0.2448, 0.3631



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

32.2739, 0.2779, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1522, 0.2448, 0.3631 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(59, 189, 168)` looks like.

```
.text, #text, p{  
  color:rgb(59, 189, 168)  
}
```

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(59, 189, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 189, 168) }
```

Border

The CSS property to change the border of an element to Yxy 40.1522, 0.2448, 0.3631 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(59, 189, 168) }
```

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

```
.border{ border-color:rgb(59, 189, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 189, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 189, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 189, 168);  
box-shadow:4px 4px 4px 4px rgb(59, 189,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1522, 0.2448, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 189, 168) }
```

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

```
.background{ background-color: rgb(59, 189,  
168) }
```

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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