

Converting Colors

$Y_{xy}(40.1375, 0.2369, 0.3691)$

Have a look what the booklet for
Yxy(40.1375, 0.2369, 0.3691)
contains.

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Color

Yxy(40.1450, 0.2368, 0.3687)

Conversions

Conversions Part 1

Format	Color
Hex	0EBFA7
RGB	14, 191, 167
RGB Percent	5%, 75%, 65%
CMY	0.9465, 0.2509, 0.3451
CMYK	0.93, 0.00, 0.13, 0.25
HSL	172°, 87%, 40%
HSV	172°, 93%, 75%
XYZ	25.7834, 40.1450, 42.9542
YIQ	135.3410, -97.7880, -44.9880

Conversions

Conversions Part 2

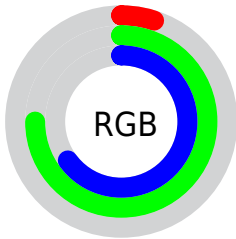
Format	Color
RYB	14, 109, 191
Decimal	966567
CIELab	69.57, -45.18, 0.86
CIELCh	70, 45.185, 178.914
Yxy	40.1450, 0.2368, 0.3687
Android (android.graphics.Color)	4279156647 (0xFF0EBFA7)
YUV	135.3410, 15.6079, -106.4161
Hunter-Lab	63.3601, -38.2424, 4.1571

Details

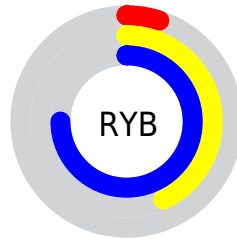
The Yxy color **40.1450, 0.2368, 0.3687** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **11.5197, 0.6044, 0.3167**, and the grayscale version is **24.2903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2923, 0.2510, 0.3611**, and **18.8461, 0.2381, 0.3771** is the 20% darker color. If you saturate the color by 10%, you get **39.9882, 0.2367, 0.3720**, and if you desaturate by 10%, it is **40.4717, 0.2381, 0.3640**.

Distribution



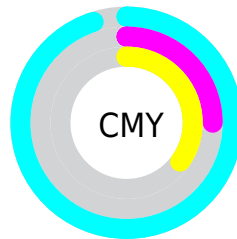
- Red (5%)
- Green (75%)
- Blue (65%)



- Red (5%)
- Yellow (43%)
- Blue (75%)



- Cyan (93%)
- Magenta (0%)
- Yellow (13%)
- Black (25%)




- Cyan (95%)
- Magenta (25%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1450, 0.2368, 0.3687 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 40.1450, 0.2368, 0.3687 by changing the saturation by 10% instead.


 40.1450, 0.2368,
0.3687


 40.1450, 0.2368,
0.3687


346.7343, 0.2754,
0.3485


 27.6516, 0.2271,
0.3739


 75.3843, 0.2509,
0.3613

 18.0632, 0.2145,
0.3805


 98.8989, 0.2562,
0.3585

 10.9954, 0.1977,
0.3895


 126.8562, 0.2606,
0.3562

 6.0637, 0.1744,
0.4020

 159.6403, 0.2644,
0.3542

 2.8839, 0.1403,
0.4206

 197.6358, 0.2677,
0.3524

 1.0714, 0.0000,
0.4934

241.2271, 0.2706,

 0.0000, 0.0000,

0.3509

0.0000

290.7984, 0.2731,
0.3496

■ 40.1450, 0.2368,
0.3687

■ 40.1450, 0.2368,
0.3687

■ 39.9882, 0.2367,
0.3720

■ 40.4717, 0.2381,
0.3640

■ 40.9770, 0.2411,
0.3593

■ 41.6890, 0.2461,
0.3545

■ 42.6298, 0.2530,
0.3499

■ 43.8186, 0.2616,
0.3454

■ 45.2728, 0.2718,
0.3411

■ 47.0080, 0.2832,
0.3371

■ 49.0385, 0.2957,
0.3334

■ 51.3780, 0.3089,
0.3299

Harmonies

Analogous

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



40.1450, 0.2924, 0.4289



40.1450, 0.2368, 0.3687



40.1450, 0.2035, 0.3008

Triad

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



40.1450, 0.2368, 0.3687



40.1450, 0.2597, 0.2299



40.1450, 0.4429, 0.3877

Complementary

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



40.1450, 0.2368, 0.3687



11.5197, 0.6044, 0.3167

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.



40.1450, 0.4354, 0.3374



40.1450, 0.2368, 0.3687



40.1450, 0.3227, 0.2517

Square

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



40.1450, 0.2368, 0.3687



40.1450, 0.2160, 0.2288



40.1450, 0.3894, 0.2897



40.1450, 0.4124, 0.4309

Rectangle

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



40.1450, 0.2368, 0.3687



40.1450, 0.1960, 0.2653



40.1450, 0.3894, 0.2897



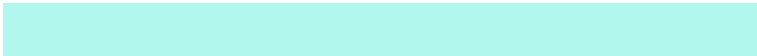
40.1450, 0.4450, 0.3711

Sweetspot

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



40.1465, 0.2368, 0.3687



82.3835, 0.2767, 0.3393



37.7524, 0.3061, 0.5898



17.8062, 0.2718, 0.3411



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.1465, 0.2368, 0.3687



71.5849, 0.2369, 0.3728



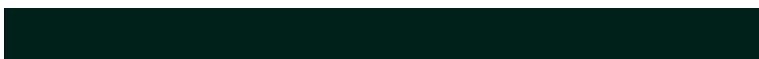
19.5348, 0.1955, 0.2192



10.7867, 0.3002, 0.3321



26.2857, 0.2365, 0.3714



1.0359, 0.2334, 0.3602

Inverse Universe

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



11.5197, 0.6044, 0.3167



19.9503, 0.6253, 0.3218



16.2388, 0.5660, 0.3809



9.5568, 0.3268, 0.3259



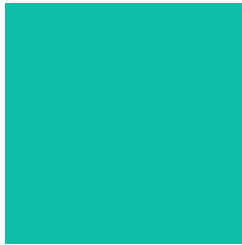
7.3348, 0.6203, 0.3191



0.2942, 0.5671, 0.2898

Previews

White Background



This preview shows how the Yxy color 40.1450, 0.2368, 0.3687 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 40.1450, 0.2368, 0.3687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

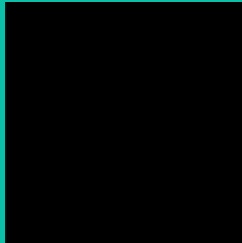
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

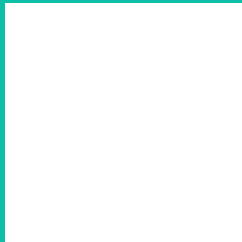
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1450, 0.2368, 0.3687

Background



This preview shows how black text looks on a background with the Yxy color 40.1450, 0.2368, 0.3687.

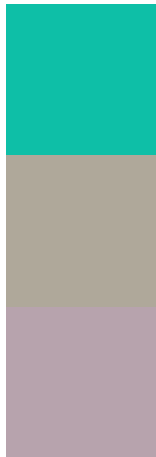


This preview shows how white text looks on a background with the Yxy color 40.1450, 0.2368, 0.3687.

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

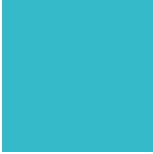
40.1450, 0.2368, 0.3687

Protanopia

39.4523, 0.3315, 0.3486

Deuteranopia

39.2788, 0.3228, 0.3156



Tritanopia

40.0649, 0.2253, 0.3058

Trichromacy



Original Color

40.1450, 0.2368, 0.3687



Protanomaly

37.2669, 0.2768, 0.3559



Deuteranomaly

36.8924, 0.2716, 0.3320



Tritanomaly

40.0526, 0.2285, 0.3272

Monochromacy



Original Color

40.1450, 0.2368, 0.3687



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.7734, 0.2633, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1450, 0.2368, 0.3687 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(14, 191, 167)` looks like.

```
.text, #text, p{  
    color:rgb(14, 191, 167)  
}
```

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(14, 191, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 191, 167) }
```

Border

The CSS property to change the border of an element to Yxy 40.1450, 0.2368, 0.3687 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(14, 191, 167) }
```

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

```
.border{ border-color:rgb(14, 191, 167) }
```

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

Here you see how a box with a 4 pixel rgb(14, 191, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 191, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 191, 167);  
box-shadow:4px 4px 4px 4px rgb(14, 191,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1450, 0.2368, 0.3687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 191, 167) }
```

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

```
.background{ background-color: rgb(14, 191,  
167) }
```

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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