

Converting Colors

$Y_{xy}(37.8622, 0.2590, 0.4447)$

Have a look what the booklet for
Yxy(37.8622, 0.2590, 0.4447)
contains.

Yxy(37.9992, 0.2592, 0.4452)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.9992, 0.2592, 0.4452)

Conversions

Conversions Part 1

Format	Color
Hex	14BD7C
RGB	20, 189, 124
RGB Percent	8%, 74%, 49%
CMY	0.9214, 0.2588, 0.5138
CMYK	0.89, 0.00, 0.34, 0.26
HSL	157°, 81%, 41%
HSV	157°, 89%, 74%
XYZ	22.1235, 37.9992, 25.2304
YIQ	131.0590, -79.8590, -56.0430

Conversions

Conversions Part 2

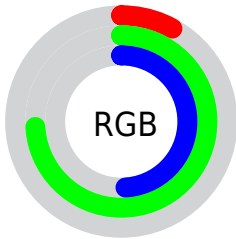
Format	Color
RYB	20, 125, 189
Decimal	1359228
CIELab	68.02, -54.59, 22.02
CIELCh	68, 58.860, 158.032
Yxy	37.9992, 0.2592, 0.4452
Android (android.graphics.Color)	4279549308 (0xFF14BD7C)
YUV	131.0590, -3.4801, -97.3987
Hunter-Lab	61.6435, -43.8134, 18.8833

Details

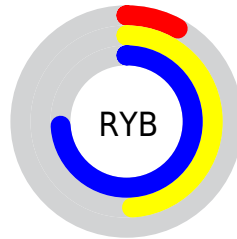
The Yxy color **37.9992, 0.2592, 0.4452** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.9776, 0.5133, 0.2687**, and the grayscale version is **22.7570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9106, 0.2707, 0.4198**, and **17.5582, 0.2656, 0.4761** is the 20% darker color. If you saturate the color by 10%, you get **37.6817, 0.2611, 0.4597**, and if you desaturate by 10%, it is **38.4725, 0.2589, 0.4304**.

Distribution



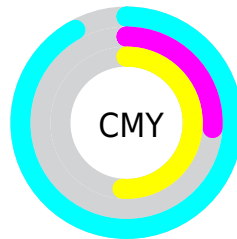
- Red (8%)
- Green (74%)
- Blue (49%)



- Red (8%)
- Yellow (49%)
- Blue (74%)



- Cyan (89%)
- Magenta (0%)
- Yellow (34%)
- Black (26%)





- Cyan (92%)
- Magenta (26%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9992, 0.2592, 0.4452 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 37.9992, 0.2592, 0.4452 by changing the saturation by 10% instead.


 37.9992, 0.2592,
0.4452

 37.9992, 0.2592,
0.4452


337.6165, 0.2888,
0.3811

 25.9821, 0.2508,
0.4633


 72.1069, 0.2707,
0.4204


 16.8102, 0.2394,
0.4880


 94.9663, 0.2747,
0.4115

 10.0993, 0.2231,
0.5232


 122.2085, 0.2781,
0.4042

 5.4648, 0.1982,
0.5770

 154.2180, 0.2809,
0.3981

 2.5225, 0.1515,
0.6783

 191.3792, 0.2833,
0.3929

 0.8879, 0.0000,
1.0000

234.0764, 0.2854,

 0.0000, 0.0000,

0.3884

0.0000

282.6940, 0.2872,
0.3845

■ 37.9992, 0.2592,
0.4452

■ 37.9992, 0.2592,
0.4452

■ 37.6817, 0.2611,
0.4597

■ 38.4725, 0.2589,
0.4304

■ 37.6641, 0.2613,
0.4606

■ 39.1418, 0.2607,
0.4155

■ 40.0328, 0.2644,
0.4008

■ 41.1663, 0.2698,
0.3865

■ 42.5606, 0.2768,
0.3730

■ 44.2321, 0.2849,
0.3603

■ 46.1959, 0.2939,
0.3486

■ 48.4658, 0.3034,
0.3380

■ 51.0551, 0.3133,
0.3285

Harmonies

Analogous

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



37.9992, 0.3404, 0.4914



37.9992, 0.2592, 0.4452



37.9992, 0.1973, 0.3513

Triad

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



37.9992, 0.2592, 0.4452



37.9992, 0.2026, 0.1992



37.9992, 0.4833, 0.3542

Complementary

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



37.9992, 0.2592, 0.4452



11.9776, 0.5133, 0.2687

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.



37.9992, 0.4373, 0.2940



37.9992, 0.2592, 0.4452



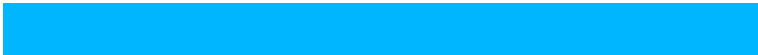
37.9992, 0.2653, 0.2096

Square

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



37.9992, 0.2592, 0.4452



37.9992, 0.1701, 0.2160



37.9992, 0.3521, 0.2431



37.9992, 0.4731, 0.4170

Rectangle

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



37.9992, 0.2592, 0.4452



37.9992, 0.1738, 0.2910



37.9992, 0.3521, 0.2431



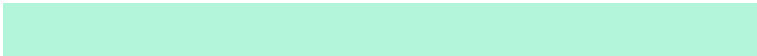
37.9992, 0.4741, 0.3336

Sweetspot

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



38.0007, 0.2592, 0.4452



79.8660, 0.2866, 0.3579



38.5038, 0.3294, 0.5684



16.9355, 0.2837, 0.3621



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.



38.0007, 0.2592, 0.4452



67.4051, 0.2619, 0.4628



33.3692, 0.2186, 0.3008



10.7456, 0.3035, 0.3380



25.3558, 0.2608, 0.4587



1.0056, 0.2511, 0.4239

Inverse Universe

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



11.9776, 0.5133, 0.2687



20.1883, 0.5483, 0.2794



12.1888, 0.6077, 0.3402



9.5955, 0.3230, 0.3202



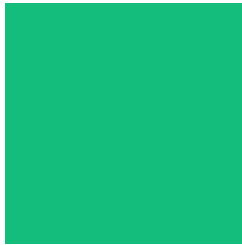
7.6144, 0.5411, 0.2754



0.3111, 0.4764, 0.2398

Previews

White Background



This preview shows how the Yxy color 37.9992, 0.2592, 0.4452 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 37.9992, 0.2592, 0.4452 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 37.9992, 0.2592, 0.4452

Background



This preview shows how black text looks on a background with the Yxy color 37.9992, 0.2592, 0.4452.

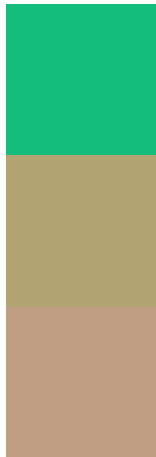


This preview shows how white text looks on a background with the Yxy color 37.9992, 0.2592, 0.4452.

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

37.9992, 0.2592, 0.4452

Protanopia

37.2082, 0.3730, 0.4009

Deuteranopia

37.2989, 0.3731, 0.3656



Tritanopia

37.8116, 0.2307, 0.3054

Trichromacy



Original Color

37.9992, 0.2592, 0.4452



Protanomaly

35.2364, 0.3117, 0.4218



Deuteranomaly

34.6016, 0.3105, 0.3959



Tritanomaly

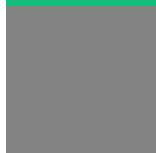
37.4354, 0.2395, 0.3521

Monochromacy



Original Color

37.9992, 0.2592, 0.4452



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.2391, 0.2771, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9992, 0.2592, 0.4452 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(20, 189, 124)` looks like.

```
.text, #text, p{  
    color:rgb(20, 189, 124)  
}
```

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(20, 189, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 189, 124) }
```

Border

The CSS property to change the border of an element to Yxy 37.9992, 0.2592, 0.4452 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(20, 189, 124) }
```

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

```
.border{ border-color:rgb(20, 189, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 189, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 189, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 189, 124);  
box-shadow:4px 4px 4px 4px rgb(20, 189,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9992, 0.2592, 0.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 189, 124) }
```

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

```
.background{ background-color: rgb(20, 189,  
124) }
```

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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