

Converting Colors

$Yxy(10.5552, 0.2347, 0.3399)$

Have a look what the booklet for
Yxy(10.5552, 0.2347, 0.3399)
contains.

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Color

$\text{Yxy}(10.5552, 0.2347, 0.3399)$

Conversions

Conversions Part 1

Format	Color
Hex	166662
RGB	22, 102, 98
RGB Percent	9%, 40%, 38%
CMY	0.9134, 0.6000, 0.6157
CMYK	0.78, 0.00, 0.04, 0.60
HSL	177°, 64%, 24%
HSV	177°, 78%, 40%
XYZ	7.2883, 10.5552, 13.2103
YIQ	77.6240, -46.3960, -18.2040

Conversions

Conversions Part 2

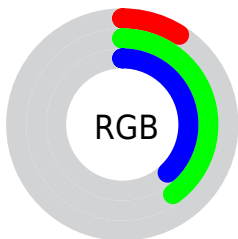
Format	Color
R_{YB}	22, 63, 102
Decimal	1468002
CIE _{Lab}	38.82, -23.88, -4.49
CIE _{LCh}	39, 24.294, 190.654
Yxy	10.5552, 0.2347, 0.3399
Android (android.graphics.Color)	4279658082 (0xFF166662)
YUV	77.6240, 10.0454, -48.7822
Hunter-Lab	32.4888, -16.8117, -1.3659

Details

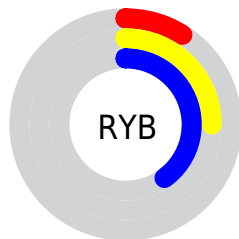
The Yxy color **10.5552, 0.2347, 0.3399** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.4763, 0.5529, 0.3228**, and the grayscale version is **7.5358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.7017, 0.2544, 0.3362**, and **2.8863, 0.2273, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **10.4518, 0.2314, 0.3415**, and if you desaturate by 10%, it is **10.7053, 0.2397, 0.3383**.

Distribution



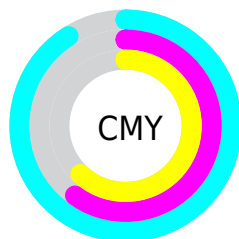
- Red (9%)
- Green (40%)
- Blue (38%)



- Red (9%)
- Yellow (25%)
- Blue (40%)



- Cyan (78%)
- Magenta (0%)
- Yellow (4%)
- Black (60%)





- Cyan (91%)
- Magenta (60%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5552, 0.2347, 0.3399 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 10.5552, 0.2347, 0.3399 by changing the saturation by 10% instead.


 10.5552, 0.2347,
0.3399


 10.5552, 0.2347,
0.3399


194.5900, 0.2824,
0.3340


 5.7686, 0.2184,
0.3413

 26.8347, 0.2548,
0.3377


 2.7049, 0.1938,
0.3428


 39.0963, 0.2615,
0.3369

 0.9797, 0.1249,
0.3544

 54.6185, 0.2667,
0.3362

 0.0000, 0.0000,
0.0000

 73.7854, 0.2710,
0.3356

 96.9817, 0.2746,
0.3351

 124.5916, 0.2776,

0.3347

156.9996, 0.2802,
0.3343

10.5552, 0.2347,
0.3399

10.5552, 0.2347,
0.3399

10.4518, 0.2314,
0.3415

10.7053, 0.2397,
0.3383

10.3759, 0.2291,
0.3430

10.9059, 0.2464,
0.3368

10.3635, 0.2287,
0.3433

11.1614, 0.2548,
0.3353

11.4758, 0.2646,
0.3338

11.8524, 0.2758,
0.3325

■ 12.2945, 0.2881,
0.3312

■ 12.8050, 0.3012,
0.3299

■ 13.3867, 0.3150,
0.3288

■ 14.0422, 0.3292,
0.3278

Harmonies

Analogous

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



10.5552, 0.2762, 0.3947



10.5552, 0.2347, 0.3399



10.5552, 0.2142, 0.2876

Triad

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



10.5552, 0.2347, 0.3399



10.5552, 0.2877, 0.2492



10.5552, 0.4163, 0.3962

Complementary

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



10.5552, 0.2347, 0.3399



3.4763, 0.5529, 0.3228

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.



10.5552, 0.4224, 0.3547



10.5552, 0.2347, 0.3399



10.5552, 0.3441, 0.2743

Square

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



10.5552, 0.2347, 0.3399



10.5552, 0.2426, 0.2412



10.5552, 0.3953, 0.3116



10.5552, 0.3815, 0.4252

Rectangle

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



10.5552, 0.2347, 0.3399



10.5552, 0.2136, 0.2624



10.5552, 0.3953, 0.3116



10.5552, 0.4220, 0.3831

Sweetspot

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



10.5556, 0.2347, 0.3399



21.0585, 0.2802, 0.3320



9.7810, 0.3047, 0.5597



4.9233, 0.2771, 0.3323



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.5556, 0.2347, 0.3399



18.2332, 0.2298, 0.3427



5.0310, 0.2035, 0.2187



3.1830, 0.3005, 0.3300



13.3091, 0.2287, 0.3435



69.3753, 0.2290, 0.3444

Inverse Universe

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



3.4763, 0.5529, 0.3228



5.1589, 0.6173, 0.3257



5.9131, 0.4897, 0.4055



2.8485, 0.3264, 0.3280



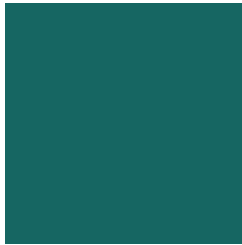
3.6405, 0.6309, 0.3249



18.9483, 0.6363, 0.3279

Previews

White Background



This preview shows how the Yxy color 10.5552, 0.2347, 0.3399 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 10.5552, 0.2347, 0.3399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

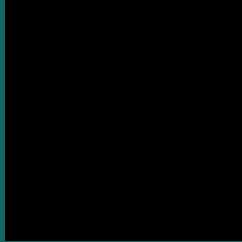
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5552, 0.2347, 0.3399

Background



This preview shows how black text looks on a background with the Yxy color 10.5552, 0.2347, 0.3399.



This preview shows how white text looks on a background with the Yxy color 10.5552, 0.2347, 0.3399.

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

10.5552, 0.2347, 0.3399

Protanopia

10.5647, 0.3159, 0.3290

Deuteranopia

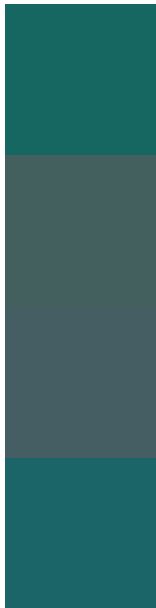
10.5172, 0.3045, 0.3010



Tritanopia

10.4945, 0.2281, 0.3048

Trichromacy



Original Color

10.5552, 0.2347, 0.3399

Protanomaly

10.1859, 0.2743, 0.3315

Deuteranomaly

10.1545, 0.2681, 0.3134

Tritanomaly

10.5603, 0.2305, 0.3179

Monochromacy



Original Color

10.5552, 0.2347, 0.3399

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.3718, 0.2715, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5552, 0.2347, 0.3399 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(22, 102, 98)` looks like.

```
.text, #text, p{  
    color:rgb(22, 102, 98)  
}
```

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(22, 102, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 102, 98) }
```

Border

The CSS property to change the border of an element to Yxy 10.5552, 0.2347, 0.3399 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(22, 102, 98) }
```

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

```
.border{ border-color:rgb(22, 102, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 102, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 102, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 102, 98);  
box-shadow:4px 4px 4px 4px rgb(22, 102,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5552, 0.2347, 0.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 102, 98) }
```

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

```
.background{ background-color: rgb(22, 102,  
98) }
```

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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