

Converting Colors

$Y_{xy}(10.1785, 0.2373, 0.3742)$

Have a look what the booklet for
Yxy(10.1785, 0.2373, 0.3742)
contains.

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Color

$\text{Yxy}(10.1909, 0.2370, 0.3732)$

Conversions

Conversions Part 1

Format	Color
Hex	006657
RGB	0, 102, 87
RGB Percent	0%, 40%, 34%
CMY	1.0000, 0.6000, 0.6588
CMYK	1.00, 0.00, 0.15, 0.60
HSL	171°, 100%, 20%
HSV	171°, 100%, 40%
XYZ	6.4717, 10.1909, 10.6442
YIQ	69.7920, -55.9770, -26.2890

Conversions

Conversions Part 2

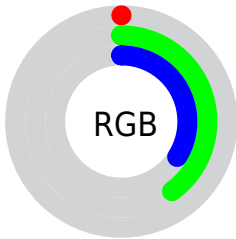
Format	Color
RYB	0, 55, 102
Decimal	26199
CIELab	38.18, -29.37, 1.29
CIELCh	38, 29.403, 177.493
Yxy	10.1909, 0.2370, 0.3732
Android (android.graphics.Color)	4278216279 (0xFF006657)
YUV	69.7920, 8.4835, -61.2076
Hunter-Lab	31.9232, -19.6787, 2.5771

Details

The Yxy color **10.1909, 0.2370, 0.3732** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **2.8594, 0.6093, 0.3130**, and the grayscale version is **6.0813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2569, 0.2569, 0.3613**, and **2.8055, 0.2418, 0.3906** is the 20% darker color. If you saturate the color by 10%, you get **10.1914, 0.2370, 0.3732**, and if you desaturate by 10%, it is **10.2820, 0.2386, 0.3683**.

Distribution



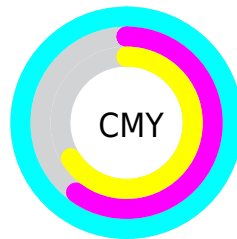
- Red (0%)
- Green (40%)
- Blue (34%)



- Red (0%)
- Yellow (22%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (60%)





- Cyan (100%)
- Magenta (60%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.1909, 0.2370, 0.3732 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 10.1909, 0.2370, 0.3732 by changing the saturation by 10% instead.


 10.1909, 0.2370,
0.3732


 10.1909, 0.2370,
0.3732


 192.0292, 0.2840,
0.3455


 5.5257, 0.2203,
0.3832

 26.1539, 0.2572,
0.3613


 2.5589, 0.1946,
0.3989


 38.2206, 0.2637,
0.3574

 0.9060, 0.0740,
0.4655

 53.5232, 0.2689,
0.3544


 0.0000, 0.0000,
0.0000


 72.4461, 0.2731,
0.3519


 95.3738, 0.2765,
0.3499


 122.6906, 0.2794,

0.3482

 154.7809, 0.2819,
0.3468


 10.1909, 0.2370,
0.3732


 10.1909, 0.2370,
0.3732


 10.1914, 0.2370,
0.3732

 10.2820, 0.2386,
0.3683

 10.3944, 0.2410,
0.3634

 10.5524, 0.2451,
0.3585

 10.7609, 0.2509,
0.3537

 11.0242, 0.2583,
0.3490

■ 11.3462, 0.2672,
0.3445

■ 11.7305, 0.2773,
0.3402

■ 12.1801, 0.2884,
0.3361

■ 12.6981, 0.3003,
0.3324

Harmonies

Analogous

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



10.1909, 0.2947, 0.4342



10.1909, 0.2370, 0.3732



10.1909, 0.2018, 0.3028

Triad

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



10.1909, 0.2370, 0.3732



10.1909, 0.2556, 0.2270



10.1909, 0.4469, 0.3864

Complementary

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



10.1909, 0.2370, 0.3732



2.8594, 0.6093, 0.3130

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.



10.1909, 0.4374, 0.3349



10.1909, 0.2370, 0.3732



10.1909, 0.3195, 0.2484

Square

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



10.1909, 0.2370, 0.3732



10.1909, 0.2121, 0.2269



10.1909, 0.3885, 0.2865



10.1909, 0.4170, 0.4316

Rectangle

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



10.1909, 0.2370, 0.3732



10.1909, 0.1934, 0.2657



10.1909, 0.3885, 0.2865



10.1909, 0.4485, 0.3694

Sweetspot

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



10.1914, 0.2370, 0.3732



20.5094, 0.2763, 0.3405



9.6072, 0.3066, 0.5947



4.7895, 0.2733, 0.3418



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.



10.1914, 0.2370, 0.3732



17.8604, 0.2374, 0.3745



4.8911, 0.1936, 0.2170



3.1786, 0.3016, 0.3320



13.0841, 0.2372, 0.3738



68.1405, 0.2380, 0.3767

Inverse Universe

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



2.8594, 0.6093, 0.3130



5.0028, 0.6149, 0.3161



4.0686, 0.5738, 0.3826



2.8524, 0.3251, 0.3260



3.6680, 0.6120, 0.3145



19.0465, 0.6229, 0.3205

Previews

White Background



This preview shows how the Yxy color 10.1909, 0.2370, 0.3732 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 10.1909, 0.2370, 0.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

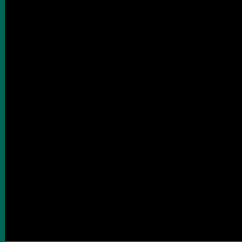
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1909, 0.2370, 0.3732

Background



This preview shows how black text looks on a background with the Yxy color 10.1909, 0.2370, 0.3732.



This preview shows how white text looks on a background with the Yxy color 10.1909, 0.2370, 0.3732.

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

10.1909, 0.2370, 0.3732

Protanopia

10.2712, 0.3346, 0.3536

Deuteranopia

10.1512, 0.3264, 0.3219



Tritanopia

10.2321, 0.2280, 0.3072

Trichromacy



Original Color

10.1909, 0.2370, 0.3732

Protanomaly

9.5906, 0.2786, 0.3597

Deuteranomaly

9.3997, 0.2732, 0.3371

Tritanomaly

10.1630, 0.2299, 0.3288

Monochromacy



Original Color

10.1909, 0.2370, 0.3732

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

7.1143, 0.2643, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1909, 0.2370, 0.3732 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(0, 102, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 87)  
}
```

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(0, 102, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 87) }
```

Border

The CSS property to change the border of an element to Yxy 10.1909, 0.2370, 0.3732 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(0, 102, 87) }
```

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

```
.border{ border-color:rgb(0, 102, 87) }
```

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

Here you see how a box with a 4 pixel rgb(0, 102, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 102, 87)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1909, 0.2370, 0.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 87) }
```

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

```
.background{ background-color: rgb(0, 102,  
87) }
```

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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