

Converting Colors

$Y_{xy}(12.1987, 0.2227, 0.3825)$

Have a look what the booklet for
Yxy(12.1987, 0.2227, 0.3825)
contains.

Yxy(12.6184, 0.2391, 0.3806)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.6184, 0.2391, 0.3806)

Conversions

Conversions Part 1

Format	Color
Hex	00715E
RGB	0, 113, 94
RGB Percent	0%, 44%, 37%
CMY	0.9994, 0.5569, 0.6314
CMYK	1.00, 0.00, 0.17, 0.56
HSL	170°, 100%, 22%
HSV	170°, 100%, 44%
XYZ	7.9271, 12.6184, 12.6085
YIQ	77.0470, -61.2490, -29.8650

Conversions

Conversions Part 2

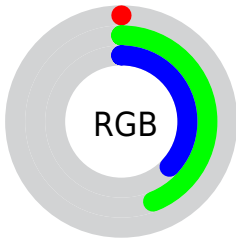
Format	Color
RYB	0, 62, 113
Decimal	29022
CIELab	42.18, -32.33, 2.83
CIELCh	42, 32.455, 174.995
Yxy	12.6184, 0.2391, 0.3806
Android (android.graphics.Color)	4278219102 (0xFF00715E)
YUV	77.0470, 8.3578, -67.5702
Hunter-Lab	35.5224, -22.3304, 3.8210

Details

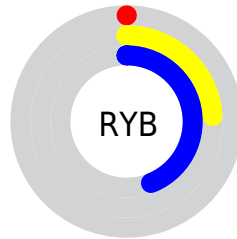
The Yxy color **12.6184, 0.2391, 0.3806** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.5617, 0.6059, 0.3114**, and the grayscale version is **7.4328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7819, 0.2582, 0.3685**, and **3.8802, 0.2448, 0.4014** is the 20% darker color. If you saturate the color by 10%, you get **12.6173, 0.2391, 0.3807**, and if you desaturate by 10%, it is **12.7268, 0.2402, 0.3748**.

Distribution



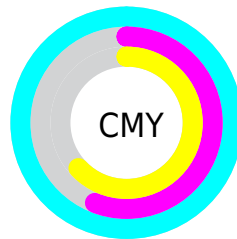
- Red (0%)
- Green (44%)
- Blue (37%)



- Red (0%)
- Yellow (24%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (56%)




- Cyan (100%)
- Magenta (56%)
- Yellow (63%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6184, 0.2391, 0.3806 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 12.6184, 0.2391, 0.3806 by changing the saturation by 10% instead.


 12.6184, 0.2391,
0.3806


 12.6184, 0.2391,
0.3806


 208.4574, 0.2837,
0.3489

 7.1663, 0.2241,
0.3916


 30.6165, 0.2578,
0.3671


 3.5663, 0.2015,
0.4086

 43.9313, 0.2640,
0.3627


 1.4341, 0.1525,
0.4439

 60.6358, 0.2690,
0.3592

 0.2416, 0.0000,
0.7877


 81.1143, 0.2730,
0.3564


 0.0000, 0.0000,
0.0000

 105.7514, 0.2764,
0.3540


 134.9313, 0.2792,


0.3520

 169.0385, 0.2816,
0.3503


 12.6184, 0.2391,
0.3806

 12.6184, 0.2391,
0.3806

 12.6173, 0.2391,
0.3807

 12.7268, 0.2402,
0.3748

 12.8672, 0.2423,
0.3691

 13.0653, 0.2462,
0.3634

 13.3274, 0.2518,
0.3577

 13.6592, 0.2591,
0.3522

■ 14.0657, 0.2678,
0.3469

■ 14.5514, 0.2778,
0.3419

■ 15.1205, 0.2888,
0.3372

■ 15.7767, 0.3006,
0.3329

Harmonies

Analogous

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



12.6184, 0.2995, 0.4411



12.6184, 0.2391, 0.3806



12.6184, 0.2010, 0.3074

Triad

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



12.6184, 0.2391, 0.3806



12.6184, 0.2495, 0.2237



12.6184, 0.4513, 0.3831

Complementary

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



12.6184, 0.2391, 0.3806



3.5617, 0.6059, 0.3114

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.



12.6184, 0.4381, 0.3304



12.6184, 0.2391, 0.3806



12.6184, 0.3136, 0.2439

Square

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



12.6184, 0.2391, 0.3806



12.6184, 0.2071, 0.2254



12.6184, 0.3851, 0.2816



12.6184, 0.4234, 0.4307

Rectangle

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



12.6184, 0.2391, 0.3806



12.6184, 0.1909, 0.2679



12.6184, 0.3851, 0.2816



12.6184, 0.4518, 0.3656

Sweetspot

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



12.6189, 0.2391, 0.3806



25.9697, 0.2768, 0.3424



11.9677, 0.3080, 0.5934



5.9386, 0.2735, 0.3440



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.6189, 0.2391, 0.3806



22.5786, 0.2395, 0.3822



6.5385, 0.1965, 0.2272



3.8060, 0.3016, 0.3326



14.3107, 0.2392, 0.3810



71.1782, 0.2401, 0.3842

Inverse Universe

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



3.5617, 0.6059, 0.3114



6.3563, 0.6119, 0.3145



4.7663, 0.5840, 0.3742



3.4098, 0.3251, 0.3255



4.0335, 0.6078, 0.3122



20.0024, 0.6187, 0.3182

Previews

White Background



This preview shows how the Yxy color 12.6184, 0.2391, 0.3806 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 12.6184, 0.2391, 0.3806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

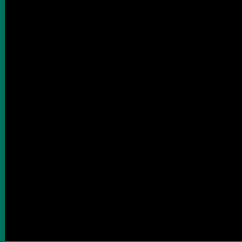
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6184, 0.2391, 0.3806

Background



This preview shows how black text looks on a background with the Yxy color 12.6184, 0.2391, 0.3806.



This preview shows how white text looks on a background with the Yxy color 12.6184, 0.2391, 0.3806.

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

12.6184, 0.2391, 0.3806

Protanopia

12.5549, 0.3372, 0.3561

Deuteranopia

12.5626, 0.3313, 0.3247



Tritanopia

12.7832, 0.2290, 0.3090

Trichromacy



Original Color

12.6184, 0.2391, 0.3806

Protanomaly

11.7971, 0.2798, 0.3651

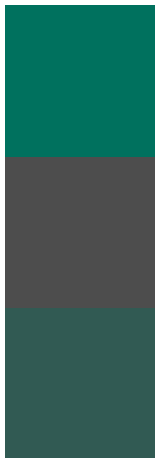
Deuteranomaly

11.6679, 0.2761, 0.3415

Tritanomaly

12.6324, 0.2314, 0.3339

Monochromacy



Original Color

12.6184, 0.2391, 0.3806

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.5898, 0.2639, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6184, 0.2391, 0.3806 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, 113, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 94)  
}
```

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, 113, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 94) }
```

Border

The CSS property to change the border of an element to Yxy 12.6184, 0.2391, 0.3806 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, 113, 94) }
```

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

```
.border{ border-color:rgb(0, 113, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 113, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6184, 0.2391, 0.3806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 94) }
```

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

```
.background{ background-color: rgb(0, 113,  
94) }
```

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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