

Converting Colors

$Yxy(16.6613, 0.2387, 0.3589)$

Have a look what the booklet for
Yxy(16.6613, 0.2387, 0.3589)
contains.

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Color

$Y_{xy}(16.6003, 0.2388, 0.3595)$

Conversions

Conversions Part 1

Format	Color
Hex	197F72
RGB	25, 127, 114
RGB Percent	10%, 50%, 45%
CMY	0.9023, 0.5019, 0.5529
CMYK	0.80, 0.00, 0.10, 0.50
HSL	172°, 67%, 30%
HSV	172°, 80%, 50%
XYZ	11.0268, 16.6003, 18.5489
YIQ	95.0200, -56.6190, -25.6670

Conversions

Conversions Part 2

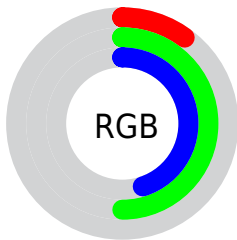
Format	Color
RYB	25, 79, 127
Decimal	1671026
CIELab	47.75, -30.93, -0.95
CIELCh	48, 30.949, 181.764
Yxy	16.6003, 0.2388, 0.3595
Android (android.graphics.Color)	4279861106 (0xFF197F72)
YUV	95.0200, 9.3571, -61.4075
Hunter-Lab	40.7435, -22.9917, 1.5280

Details

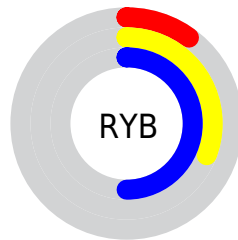
The Yxy color **16.6003, 0.2388, 0.3595** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.3433, 0.5509, 0.3116**, and the grayscale version is **11.4309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5195, 0.2560, 0.3516**, and **5.7011, 0.2362, 0.3702** is the 20% darker color. If you saturate the color by 10%, you get **16.4386, 0.2366, 0.3638**, and if you desaturate by 10%, it is **16.8373, 0.2428, 0.3552**.

Distribution



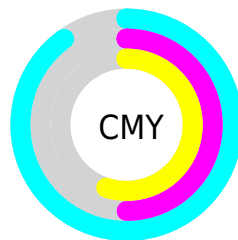
- Red (10%)
- Green (50%)
- Blue (45%)



- Red (10%)
- Yellow (31%)
- Blue (50%)



- Cyan (80%)
- Magenta (0%)
- Yellow (10%)
- Black (50%)




- Cyan (90%)
- Magenta (50%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6003, 0.2388, 0.3595 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 16.6003, 0.2388, 0.3595 by changing the saturation by 10% instead.


 16.6003, 0.2388,
0.3595


 16.6003, 0.2388,
0.3595


 232.8584, 0.2816,
0.3420


 9.9499, 0.2256,
0.3648


 37.6373, 0.2561,
0.3525

 5.3658, 0.2067,
0.3723

 52.7926, 0.2620,
0.3501

 2.4634, 0.1780,
0.3836

 71.5518, 0.2668,
0.3481

 0.8582, 0.0315,
0.4469

 94.2992, 0.2708,
0.3464

 0.0000, 0.0000,
0.0000

 121.4191, 0.2742,
0.3451

 153.2960, 0.2770,

0.3439

190.3143, 0.2795,
0.3429

■ 16.6003, 0.2388,
0.3595

■ 16.6003, 0.2388,
0.3595

■ 16.4386, 0.2366,
0.3638

■ 16.8373, 0.2428,
0.3552

■ 16.3244, 0.2355,
0.3679

■ 17.1564, 0.2485,
0.3510

■ 17.5660, 0.2559,
0.3468

■ 18.0727, 0.2650,
0.3428

■ 18.6827, 0.2753,
0.3390

■ 19.4015, 0.2868,
0.3355

■ 20.2343, 0.2992,
0.3321

■ 21.1860, 0.3122,
0.3291

■ 22.2611, 0.3256,
0.3264

Harmonies

Analogous

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



16.6003, 0.2890, 0.4160



16.6003, 0.2388, 0.3595



16.6003, 0.2097, 0.2984

Triad

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



16.6003, 0.2388, 0.3595



16.6003, 0.2688, 0.2379



16.6003, 0.4316, 0.3886

Complementary

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



16.6003, 0.2388, 0.3595



5.3433, 0.5509, 0.3116

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.



16.6003, 0.4278, 0.3421



16.6003, 0.2388, 0.3595



16.6003, 0.3282, 0.2599

Square

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



16.6003, 0.2388, 0.3595



16.6003, 0.2259, 0.2352



16.6003, 0.3884, 0.2968



16.6003, 0.4012, 0.4265

Rectangle

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



16.6003, 0.2388, 0.3595



16.6003, 0.2042, 0.2668



16.6003, 0.3884, 0.2968



16.6003, 0.4345, 0.3734

Sweetspot

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



16.6009, 0.2388, 0.3595



34.1773, 0.2819, 0.3369



15.6719, 0.3094, 0.5649



7.9115, 0.2784, 0.3380



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.6009, 0.2388, 0.3595



29.2847, 0.2360, 0.3671



8.9784, 0.2053, 0.2349



4.8778, 0.3009, 0.3317



16.4622, 0.2355, 0.3679



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.3433, 0.5509, 0.3116



8.3024, 0.6123, 0.3189



8.0655, 0.5168, 0.3907



4.3525, 0.3260, 0.3263



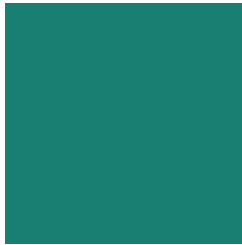
4.5886, 0.6185, 0.3181



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.6003, 0.2388, 0.3595 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 16.6003, 0.2388, 0.3595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

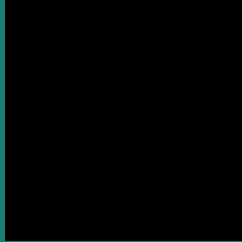
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6003, 0.2388, 0.3595

Background



This preview shows how black text looks on a background with the Yxy color 16.6003, 0.2388, 0.3595.

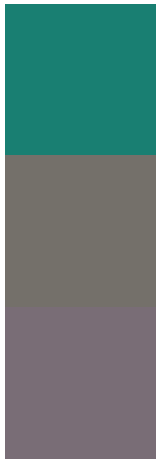


This preview shows how white text looks on a background with the Yxy color 16.6003, 0.2388, 0.3595.

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

16.6003, 0.2388, 0.3595

Protanopia

16.3420, 0.3256, 0.3411

Deuteranopia

16.3102, 0.3176, 0.3116



Tritanopia

16.5876, 0.2290, 0.3067

Trichromacy



Original Color

16.6003, 0.2388, 0.3595

Protanomaly

15.6657, 0.2809, 0.3468

Deuteranomaly

15.7536, 0.2757, 0.3267

Tritanomaly

16.5569, 0.2322, 0.3242

Monochromacy



Original Color

16.6003, 0.2388, 0.3595

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.7768, 0.2718, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6003, 0.2388, 0.3595 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(25, 127, 114)` looks like.

```
.text, #text, p{  
  color:rgb(25, 127, 114)  
}
```

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(25, 127, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 127, 114) }
```

Border

The CSS property to change the border of an element to Yxy 16.6003, 0.2388, 0.3595 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(25, 127, 114) }
```

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

```
.border{ border-color:rgb(25, 127, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 127, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 127, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 127, 114);  
box-shadow:4px 4px 4px 4px rgb(25, 127,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6003, 0.2388, 0.3595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 127, 114) }
```

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

```
.background{ background-color: rgb(25, 127,  
114) }
```

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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