

Converting Colors

$Yxy(16.5951, 0.2204, 0.3004)$

Have a look what the booklet for
Yxy(16.5951, 0.2204, 0.3004)
contains.

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Color

$\text{Yxy}(16.6616, 0.2203, 0.3002)$

Conversions

Conversions Part 1

Format	Color
Hex	157D8A
RGB	21, 125, 138
RGB Percent	8%, 49%, 54%
CMY	0.9183, 0.5098, 0.4589
CMYK	0.85, 0.09, 0.00, 0.46
HSL	187°, 74%, 31%
HSV	187°, 85%, 54%
XYZ	12.2270, 16.6616, 26.6130
YIQ	95.3860, -66.1570, -18.0050

Conversions

Conversions Part 2

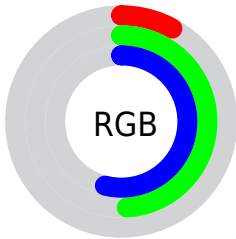
Format	Color
R _Y B	21, 76, 138
Decimal	1408394
CIE Lab	47.83, -22.73, -14.99
CIE LCh	48, 27.229, 213.414
Yxy	16.6616, 0.2203, 0.3002
Android (android.graphics.Color)	4279598474 (0xFF157D8A)
YUV	95.3860, 21.0087, -65.2365
Hunter-Lab	40.8186, -17.9638, -10.0830

Details

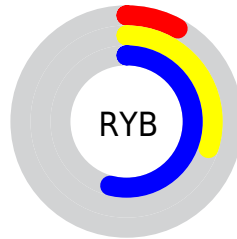
The Yxy color **16.6616, 0.2203, 0.3002** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6.5897, 0.5837, 0.3440**, and the grayscale version is **11.4903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7760, 0.2415, 0.3088**, and **5.8735, 0.2135, 0.2885** is the 20% darker color. If you saturate the color by 10%, you get **16.1658, 0.2167, 0.2965**, and if you desaturate by 10%, it is **17.2457, 0.2256, 0.3039**.

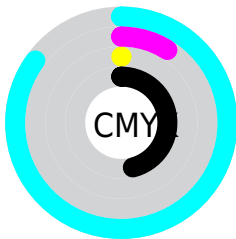
Distribution



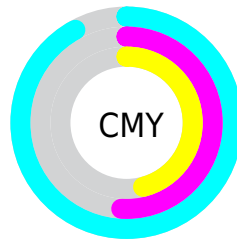
- Red (8%)
- Green (49%)
- Blue (54%)



- Red (8%)
- Yellow (30%)
- Blue (54%)



- Cyan (85%)
- Magenta (9%)
- Yellow (0%)
- Black (46%)



- Cyan (92%)
- Magenta (51%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6616, 0.2203, 0.3002 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 16.6616, 0.2203, 0.3002 by changing the saturation by 10% instead.

16.6616, 0.2203,
0.3002

16.6616, 0.2203,
0.3002

233.2147, 0.2726,
0.3185

9.9935, 0.2049,
0.2938

37.7430, 0.2409,
0.3080

5.3947, 0.1838,
0.2840

52.9252, 0.2482,
0.3106

2.4806, 0.1531,
0.2678

71.7141, 0.2541,
0.3126

0.8669, 0.0761,
0.2451

94.4942, 0.2591,
0.3142

0.0000, 0.0000,
0.0000

121.6500, 0.2632,
0.3156

153.5657, 0.2668,

0.3167

190.6258, 0.2699,
0.3176

■ 16.6616, 0.2203,
0.3002

■ 16.6616, 0.2203,
0.3002

■ 16.1658, 0.2167,
0.2965

■ 17.2457, 0.2256,
0.3039

■ 15.9268, 0.2152,
0.2946

■ 17.9299, 0.2326,
0.3077

■ 18.7248, 0.2414,
0.3114

■ 19.6391, 0.2519,
0.3150

■ 20.6808, 0.2637,
0.3185

■ 21.8569, 0.2768,
0.3218

■ 23.1741, 0.2908,
0.3248

■ 24.6386, 0.3054,
0.3277

■ 26.2561, 0.3204,
0.3303

Harmonies

Analogous

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



16.6616, 0.2455, 0.3529



16.6616, 0.2203, 0.3002



16.6616, 0.2176, 0.2623

Triad

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



16.6616, 0.2203, 0.3002



16.6616, 0.3297, 0.2690



16.6616, 0.3893, 0.4169

Complementary

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



16.6616, 0.2203, 0.3002



6.5897, 0.5837, 0.3440

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.



16.6616, 0.4169, 0.3851



16.6616, 0.2203, 0.3002



16.6616, 0.3818, 0.3028

Square

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



16.6616, 0.2203, 0.3002



16.6616, 0.2768, 0.2483



16.6616, 0.4148, 0.3439



16.6616, 0.3423, 0.4260

Rectangle

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



16.6616, 0.2203, 0.3002



16.6616, 0.2283, 0.2485



16.6616, 0.4148, 0.3439



16.6616, 0.4013, 0.4081

Sweetspot

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



16.6622, 0.2203, 0.3002



38.3931, 0.2760, 0.3216



18.4396, 0.2968, 0.5664



8.4659, 0.2719, 0.3206



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



16.6622, 0.2203, 0.3002



27.9349, 0.2150, 0.2938



6.0901, 0.1832, 0.1608



5.5956, 0.2991, 0.3265



14.6174, 0.2152, 0.2947



0.1096, 0.2203, 0.3129

Inverse Universe

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



7.4138, 0.3445, 0.1768



12.0178, 0.3509, 0.1707



12.9604, 0.4825, 0.4353



5.1196, 0.3153, 0.3098



6.2598, 0.3501, 0.1702



0.0428, 0.3342, 0.1615

Previews

White Background



This preview shows how the Yxy color 16.6616, 0.2203, 0.3002 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 16.6616, 0.2203, 0.3002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

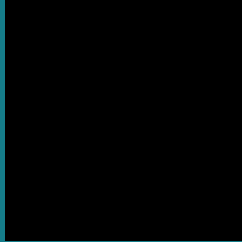
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6616, 0.2203, 0.3002

Background



This preview shows how black text looks on a background with the Yxy color 16.6616, 0.2203, 0.3002.

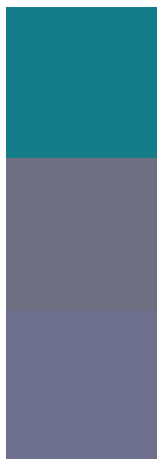


This preview shows how white text looks on a background with the Yxy color 16.6616, 0.2203, 0.3002.

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

16.6616, 0.2203, 0.3002

Protanopia

16.4883, 0.2902, 0.2956

Deuteranopia

16.5432, 0.2761, 0.2719



Tritanopia

16.5640, 0.2206, 0.3043

Trichromacy



Original Color

16.6616, 0.2203, 0.3002

Protanomaly

16.0082, 0.2537, 0.2971

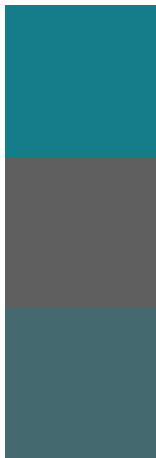
Deuteranomaly

15.9620, 0.2456, 0.2793

Tritanomaly

16.6020, 0.2202, 0.3022

Monochromacy



Original Color

16.6616, 0.2203, 0.3002

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.6847, 0.2600, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6616, 0.2203, 0.3002 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(21, 125, 138)` looks like.

```
.text, #text, p{  
  color:rgb(21, 125, 138)  
}
```

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(21, 125, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 125, 138) }
```

Border

The CSS property to change the border of an element to Yxy 16.6616, 0.2203, 0.3002 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(21, 125, 138) }
```

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

```
.border{ border-color:rgb(21, 125, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 125, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 125, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 125, 138);  
box-shadow:4px 4px 4px 4px rgb(21, 125,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6616, 0.2203, 0.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 125, 138) }
```

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

```
.background{ background-color: rgb(21, 125,  
138) }
```

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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